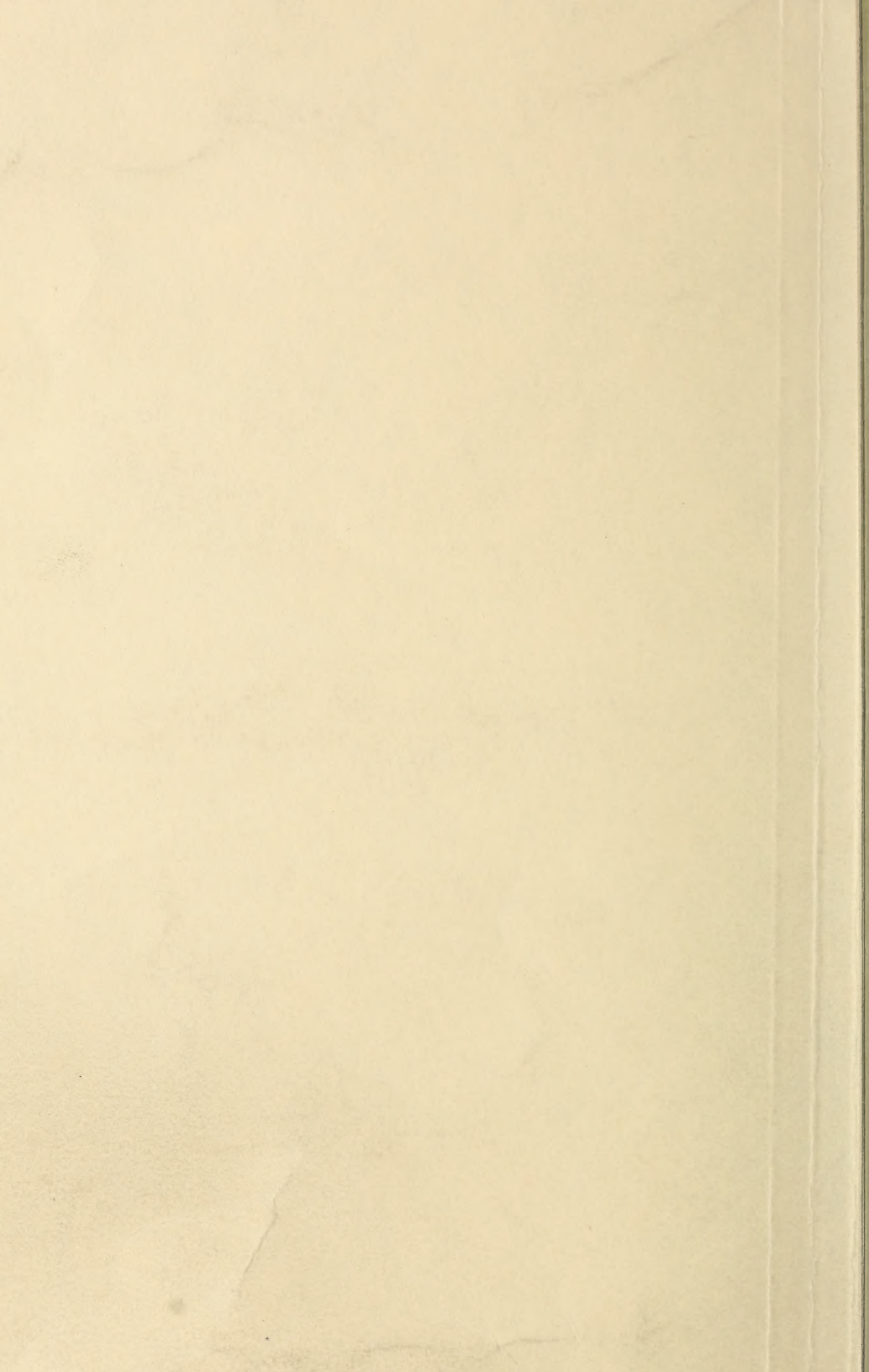


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62 61  
F. H. EBELING

SEEDS  
GARDEN AND FARM  
SUPPLIES



1868 1911

HARDWARE  
PAINTS  
MACHINERY  
IMPLEMENTS  
WAGONS  
DRAIN TILE  
TIN SHOP

SYRACUSE N.Y.

RETAIL STORE 217 WARREN ST  
WAREHOUSE 538-540 CANAL ST



# PRICE LIST

## RAFFIA, REED AND SWEET GRASS.

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No. 00 Reed.....	per lb.	\$1.50	per oz.	15c	Natural.....	per lb.	.25 per oz. 5c
1 ".....	"	1.00	"	10c	Colored—in 8 shades	"	.65 " 10c
2 ".....	"	1.00	"	10c	SWEET GRASS....	"	\$2.50 " 20c
3 ".....	"	1.00	"	10c			
4 ".....	"	.75	"	10c			
5 ".....	"	.75	"	10c			

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## USEFUL TABLES.

Of Plants per Acre at the following distances apart.

1 ft. by 1 ft.	43,560	6 ft by 6 ft.	1,210
1½ " 1½ "	19,360	" " 8 "	680
2 " 1 ft.	21,780	9 " 9 "	537
2 " 2 ft.	10,890	10 " 10 "	435
2½ " 2½ "	6,969	12 " 12 "	302
3 " 1 ft.	14,520	15 " 15 "	193
3 " 2 ft.	7,260	18 " 18 "	134
3 " 3 ft.	4,840	20 " 20 "	103
4 " 4 ft.	2,722	25 " 25 "	70
5 " 5 ft.	1,742	30 " 30 "	48

Number of Plants Produced from 1 oz. of Seed.

Plants		Plants	
Asparagus	about 500	Kale	about 2,000
Broccoli	" 2,000	Leek	" 1,000
Cabbage	" 3,000	Lettuce	" 3,000
Cauliflower	" 4,000	Pepper	" 2,000
Celery	" 4,000	Sage	" 1,000
Egg Plant	" 1,000	Tomato	" 3,000
Endive	" 3,000	Thyme	" 5,000

## SEED SOWN PER ACRE.

Seed Sown per Acre.	Wt. per bu	Seed Sown per Acre.	Wt. per bu	Seed Sown per Acre.	Wt. per bu
Timothy, ¼ to ½ bu	44 lbs	Millet, ½ to ¾ bu	50 lbs	Dwarf Essex Rape,	5 lbs
Lucerne, or Alfalfa, 30 lbs	60 lbs	Hungarian, ½ to ¾ bu	48 lbs	Peas, 2½ bu	60 lbs
Clover, Red, 10 to 15 lbs	60 lbs	Wheat, 2 bu	60 lbs	Beans, 1 bu	62 lbs
Clover, Alsike, 5 to 10 lbs	60 lbs	Buckwheat, ¾ to 1 bu	48 to 50 lbs	Pumpkin Seed, 2 qt.	27 lbs
Clover, Crimson, 15 lbs	60 lbs	Rye, 1 to 2 bu	56 lbs	Turnip, 1 lb	
Cow Peas, 60 lbs	60 lbs	Oats, 2 to 3 bu	32 lbs	Spinach, 8 lbs	42 lbs
Red Top, 2 to 2½ bu	14 lbs	Oats, Winter, 1¾ bu	32 lbs	Beet, 4 to 6 lbs	
Blue Grass, 2 bu	14 lbs	Barley, 2 bu	48 lbs	Squash, 2½ lbs per acre	
Orchard Grass, 2 bu	14 lbs	Flax Seed, 1 bu	56 lbs	Parsnips, 3 to 4 lbs	
Yellow Sand Clover, 15 lbs	60 lbs	Corn, ¼ bu	56 to 60 lbs	Cabbage, ¼ lb	
White Clover, 6 to 10 lbs	60 lbs	Potatoes, 6 bu	62 lbs	Cucumber, 1 lb	
Sweet Vernal, 1 to 1½ bu	11 lbs	Sweet Corn, ¼ bu	about 45 lbs	Carrot, 2½ to 3 lbs	20 lbs
				Onion, 5 to 6 lbs	56 lbs

NON-WARRANTY.—F. H. Ebeling gives no Warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants he sends out, and he will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.



# 1868---What Our Forty-Third Anniversary Really Means to You---1911

IT is with a deep feeling of gratitude and pride that I announce our Forty third Anniversary. **Gratitude**—Because I realize it is from you—the Central New York public—and your forbears that this has been made possible, and I want you to know that your patronage is appreciated.

**And Pride**—Because I believe we are justified in being proud of the record of forty-two years of continuously successful business.

This record has been one of steady growth and progress. We have profited by our mistakes, and in return are able to offer you what we know by experience to be the most reliable and profitable of everything for your farm, garden, greenhouse, lawn, dairy and poultry yard. We are importers of the best Flower and Garden Seeds, Bulbs, etc., the variety best adapted to this climate. The farm implements, machinery, drain tile, hardware and paints offered you, we are sure are the very best your money can buy.

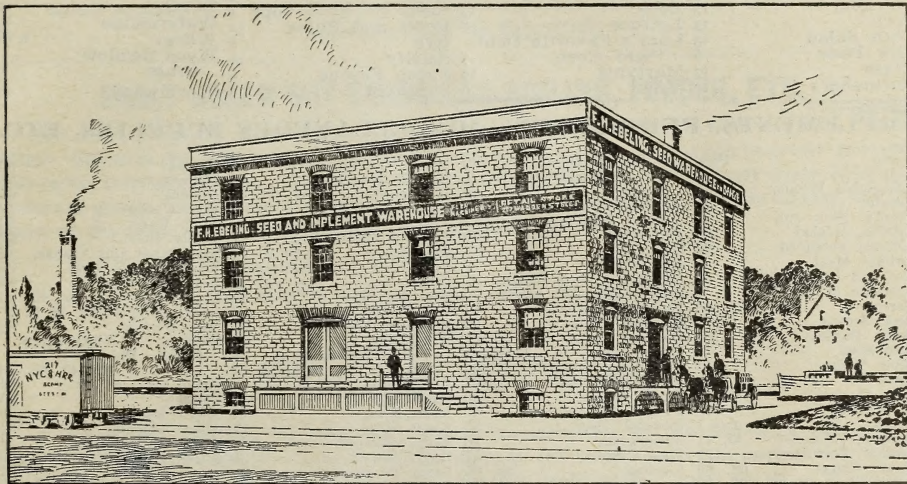
We thank you all for your generous patronage throughout the years that have past, and trust that our business relations may continue during this, our forty-third anniversary year, and for many years to come.

To help you make them more prosperous years we take pleasure in submitting this Catalogue and Seed Book.

Very sincerely yours,

F. H. EBELING.

January, 1911.



**F. H. EBELING'S SEED AND IMPLEMENT WAREHOUSE,  
538 and 540 Canal St. RETAIL STORE, 217 Warren St.**

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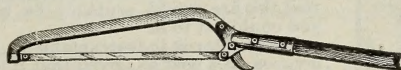
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Sow three pecks per acre. For either fodder or grain. Valuable for feeding green, dry or silage. Grows in Northern States. This is the only Soy or Soja Bean that can be grown successfully in the Northern States. Make no mistake when buying. Ask for the **Early Green Medium**. These are grown very successfully and highly valued by many farmers in Madison County, and to whom we can refer.

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## EUREKA ENSILAGE CORN.

A distinct variety noted for its abundant leaves and extreme height, sometimes growing 19 feet. We had some on exhibition at the State Fair last fall, measuring 19 feet high. This is a Southern type, and owing to our short season does not mature. Our strong Northern soils, however, produces an extremely heavy growth of stalk and leaf, making it very valuable as ensilage. The quantity is about double that of the common ensilage varieties.

Aside from the above, we have only to say for the information of those who have not yet grown this corn or are not acquainted with its merits, that the Eureka is an **especially leafy variety of Southern Corn**, originated in Virginia some twenty or more years ago, and was the result of many years of careful selection of seed from the stalks producing the most leaves. It grows the tallest, produces the most leaves, therefore the greatest weight of good silage of any variety. It's the best.

**Price \$2.50 per bushel.**

Cortland, N. Y., January 7, 1911.

Mr. F. H. Ebeling, Syracuse, N. Y.:

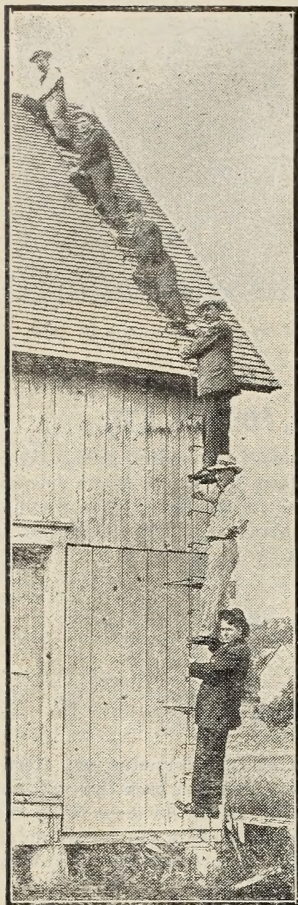
Dear Sir:—I sowed twenty acres of Eureka Corn, sowing 8 quarts per acre, rows 42 inches apart. Besides this I had four acres in another place, and from these two places I filled and re-filled two silos, 16x40 and one silo 16x32 feet. I had one acre sown the 18th of June, which did extra well for the time sown. From this acre I took forty-two tons of corn. I should say my average was about thirty tons per acre, which is ten tons per acre better than I ever had any other variety do. This variety is the only one I know that will not rot in the ground, no matter how wet and cold the season.

Have raised this now two seasons, and have seen it tried by many of my neighbors, and all speak in the highest terms of this wonderful corn, and not one has dropped Eureka from his list this year. This should be the best evidence to a man to get the best Silage Corn in the world to-day.

Yours very truly,

MILES J. PECK.





## THE ACME STEEL LINK LADDER.

This ladder is warranted to be of the best steel. It is suited for all inside uses. It's lighter and much easier to handle than the ordinary ladder. It never breaks nor wears out. You can add or take away from its length at any time. It's an every-day ladder—the only one of its kind ever made. Note the lock on each joint, making it absolutely rigid and safe.

With the ordinary steel ladder it is impossible to secure complete control as suggested by this illustration. It's a very neat appearing ladder on the building—in fact, when it is painted in the color of the building it is not noticeable. We see no reason why it should not last for all time to come.

### THIS LADDER CANNOT ROT YOUR ROOF.

As the illustration shows, the Acme stand is well out from the building on which it is used. Unlike the old fashioned ladder, it does not hold moisture and moss, which play so important a part in the rotting of the roof. The roof is exposed to the air at practically all points. Its construction permits water to flow from the roof and prevents the accumulation of heavy deposits of ice.

### IT AFFORDS ABSOLUTE PROTECTION IN CASE OF FIRE.

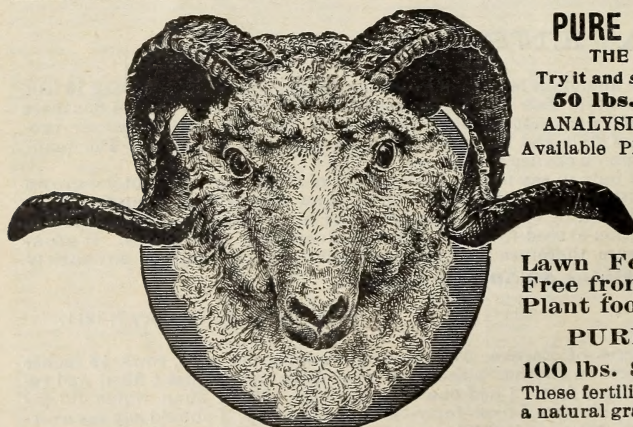
As a fire escape the Acme Ladder solves an important problem.

Up to this time a permanent fire escape has been very expensive. The Acme provides perfect safety at the minimum cost. It is a ladder that can be left in the right place, so that it is only a moment's work to run up the ladder and extinguish the fire before it gets under way. While if it were necessary to hunt up wooden ladders and put them up on the roof the fire would probably be beyond your control before you could get to it.

Our ladder is indestructable by fire and ready for all emergencies, at a cost so trivial that it is not worth the risk of doing without one.

If the wooden ladder happens to be on the roof when the fire breaks out, probably the first thing to burn would be the top of the ladder, and by the time you have discovered the fire the ladder may have been made useless. With the Acme Ladder this of course cannot occur.

Make up your mind that you will have at least one of these extraordinary ladders. Be sure to come in, and let us show you one of them. **Price 30c per foot.**



## PURE SHEEP FERTILIZER.

THE NATURAL GRASS FOOD.

Try it and see the wonderful results obtained.

**50 lbs. \$1.50. 100 lbs. \$2.50**

ANALYSIS. — Ammonia, 4.48 per cent;  
Available Phosphoric Acid, 1.83 per cent;  
Actual Potash, 2.39 per cent;  
Nitrogen 2.36 per cent.

### THE BEST

Lawn Fertilizer in the Market.  
Free from all foul seeds. Rich in  
Plant food. Machine Dried.

### PURE GROUND BONE.

**100 lbs. \$2.25. 50 lbs. \$1.25**

These fertilizers are free from foul seed and a natural grass producer.

One of the most conclusive arguments in favor of High Grade Fertilizers that has come to our notice is in the shape of a small pamphlet issued by the Agricultural Bureau of the German Kali Works of New York city. It is entitled "Results," and shows photographs of actual field tests or co-operative experiments carried out by farmers in New York State. The fertilizer giving the best results on oats and wheat contained 2 per cent. nitrogen, 8 per cent. phosphoric acid and 6 per cent. potash, but on potatoes, corn and truck crops a good profit was shown for the fertilizer containing 10 per cent. of actual potash. Copies of this booklet free.



**WHAT LAND LIME WILL DO.**

1. It makes plant food available.
2. It binds and holds nitrogen to the soil.
3. It binds together light and sandy soils.
4. It assists in the draining of wet soil.
5. It loosens up the clays and sweetens sour soils.
6. It increases the size of your crops,

**IT'S THE BEST FOR ALFALFA.**

There is probably no other crop which shows more remarkable benefits from the use of lime. This is a crop to which the enterprising farmer is devoting a large share of his attention, because of its extraordinary food value. For example the dairymen claim that feeding a ton of Alfalfa will produce more milk than a ton of hay.

**THE KINDS WHICH ARE NOT PRACTICAL.**

There are various forms of hydrated or slaked lime upon the market, which are offered at prices prohibitive for the practical farmer.

The ground limestone which is now on sale for fertilizing purposes contains lime in the form of Calcium Carbonate, which is only slowly soluble, and hence will not produce immediate results.

**THE ADVANTAGES OF OUR LAND LIME.**

It is not disagreeable to handle, it does not need to be slaked, and it can be applied without fear of burning new seed. It contains both the quickly soluble quick-lime and the slowly soluble Calcium Carbonate, making a fertilizer which will give immediate results and yet continue its beneficial results for several years. One hundred pounds Land Lime is equivalent to 125 pounds of Marl or Ground Limestone.

**WHAT SOILS NEED LIME.**

Almost all soils, even those of limestone origin, require additional lime in order to produce satisfactory crops of Alfalfa.

Sour soils—Are greatly benefited by the application of lime.

**TESTS FOR ACID SOILS.**

Clover Test—When red clover, after starting to grow in the spring, stands still and finally disappears, the need of lime is indicated.

The presence of horse sorrel or moss indicates the absence of lime in a soil.

**HOW TO APPLY LIME.**

A convenient way of applying lime is with a drill, but recent experiments with the manure spreader set to slow speed with flat wooden strips attached to the scatter wheel and driving toward the wind give even more efficient results.

"Always use lime in the autumn, but never omit using it in the spring time when its application the previous autumn has been impossible." This is the advice of H. J. Wheeler, America's foremost authority on the use of lime.

Price per ton, car load, f. o. b., \$5.00; in bulk, \$4.00.

**ALFALFA**

**ALFALFA**—We offer a fine pure native grown Alfalfa Seed, tested by the department at Washington.

Sow 20 to 30 pounds to the acre. Its feeding value is nearly double that of Timothy Hay, and it can be fed green or dry. Farmogerm will enable it to grow on the ordinary soils. A thorough and careful use of Farmogerm is recommended. A field of Alfalfa is a little "Gold Mine" on any farm.

Price for seed depends upon the quality based upon the present ruling market price.

See page 10 for FARMOGERM.

**FOR DESTROYING DODDER IN ALFALFA FIELDS.**

Use a spray consisting of four parts of water, one part crude carbolic acid.

Mix thoroughly in hot water.

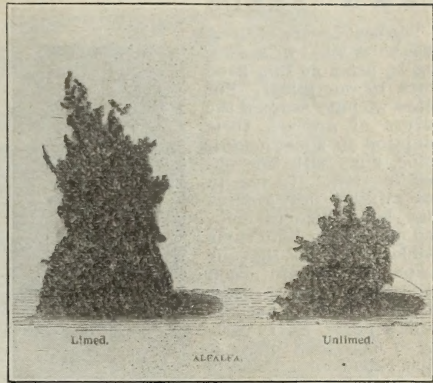
Spray this on the infected spots with an ordinary Paris green sprayer.

If necessary spray the second time.

This will kill the dodder and save about 75 per cent. of the growing Alfalfa.

I am indebted to A. E. Stacy, of Elbridge, N. Y., for this valuable discovery

F. H. E.

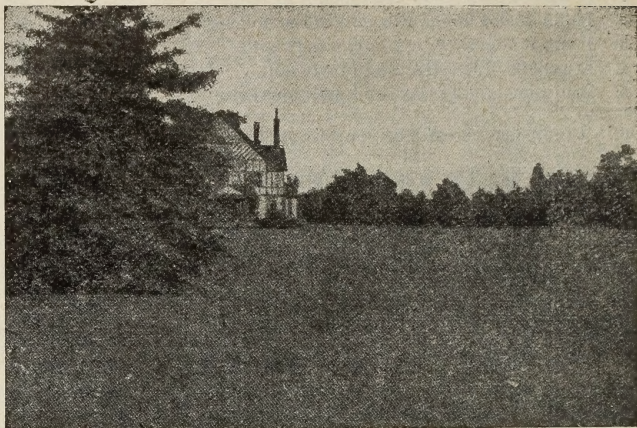




## LAWN SEEDS

"A Beautiful Lawn."

The best Lawns of Syracuse show what we are doing to promote this good work in our midst. For years we have studied the nature of grasses, their adaption to soils, height, color, etc., with this object in view. We use in our mixture only grasses that harmonize in color and size, using both early and late varieties, that our lawns may remain green and beautiful all through the season. Our Seed is strictly pure. Every variety is examined under a glass before mixing and is free from foul weeds. We use only fibrous rooted perennial grasses that will stand the drouth and close cutting without injury. Produces a fine, velvety appearance and forms a thick covering on the ground. **1 lb., 30c.; 100 lbs., \$25.00.**



## FALL SEEDING

At this season the ground is warmer than the atmosphere; the gradual reduction of temperature checks leaf growth, while the warmer soil invites a vigorous root formation which continues until the ground is frozen, and is resumed at every thaw.

Grass revels in cool moist soil, and its roots make ready through winter for the summer growth above ground. In spring the soil, especially if it has been long under tillage, dries all too quickly, being poor in humus, and the air being warmer than the ground stimulates top growth of new seedling before the root formation is able to sustain it, the young grass, therefore, has a struggle for life.

If grain has been sown with grass its more vigorous seeding robs the grass plant of moisture to such an extent that it is often killed outright, and the farmer bewails the "uncertain season" that caused him to lose his seeding.

## WE OFFER CLOVER, GRASS AND FIELD SEED.

Clover, Red,	Amber Cane,
" White,	Dwarf Essex Rape,
" Crimson,	Peas, Canada,
" Alfalfa	" Black Eye,
" Alsike,	" Cow,
" Bokhara,	" Early and Late,
" Sainfoin,	Rye, Spring,
Timothy, Recleaned,	" Winter,
" Choice,	Corn Leaming
" Prime,	" Pride of the North,
Red Top,	" Sweet,
Blue Grass,	" Pop,
Orchard Grass,	" Field,
Millet, German,	Wheat, Spring,
" Hungarian.	Oats, Seed
" Common	Flax Seed,
Barley,	Broom Corn,
Buckwheat,	Quack Seed.

## SPECIAL GRASSES.

	Wt. per bu.	Per lb.	100 lbs
Bromus Inermis Grass.....	12	15c	\$12 00
Creeping Bent.....	15	25c	24 00
Meadow Foxtail.....	9	30c	25 00
Sweet Vernal, Annual.....	11	25c	20 00
" " Perennial.....	11	90c	65 00
Tall Oat Grass.....	18	25c	20 00
Crested Dogtail.....	30	35c	30 00
Sheep's Fescue.....	15	25c	20 00
Hard Fescue.....	15	22c	20 00
Meadow Fescue.....	24	40c	35 00
Tall Meadow Fescue.....	18	40c	33 00
Red Fescue.....	14	20c	18 00
Rough Stalked Meadow.....	20	40c	35 00
Pacey's English Rye Grass.....	28	15c	10 00
Italian Rye Grass.....	18	10c	8 00
Wood Meadow Grass.....	15	65c	53 00

Special prices given for quantities on any of the above varieties.

We Offer Choice, Well-Cleaned, True to Name, Varieties of Following Seeds at Reasonable Prices.

SPRING RYE—\$2.00 per bushel.	JAPANESE MILLET—\$2.75 per bushel.
SPRING WHEAT—\$2.00 per bushel.	GOLDEN MILLET—\$2.00 per bushel.
BUCKWHEAT—\$1.25 per bushel.	HUNGARIAN—\$1.50 per bushel.
DWARF ESSEX RAPE—\$6.50 per 100 lbs.	KAFFIR CORN—\$1.75 per bushel.
FIELD CORN—White or Yellow, \$2.00.	SEED OATS—See page 8.
HURON DENT CORN—\$2.00 per bushel.	SPELTZ—\$1.25 per bushel.
IOWA GOLD MINE—\$2.00 to \$3.00 per bushel.	SOY BEANS—\$.50 per bushel.
LEAMING CORN—\$1.50 to \$2.00 per bushel.	COW PEAS—\$3.50 per bushel.
PRIDE OF THE NORTH—\$1.50 to \$2.00 per bu.	AMBER CANE or SORGHUM—\$2.75 per bushel.

**TO PREVENT SMUT IN OATS.** Formula—1 pt. of formalin to 20 gal. of water\* wet 20 bu. or in that proportion) of oats with this solution, mix thoroughly by shoveling, then pile in a mound, cover up well with blankets, etc., for 12 hours. This forms a gas that will destroy the Smut germ. After 12 hours spread out the Oats to dry. They will then be ready for sowing.

**THE MAN** who makes two weeds grow where but one grew before by sowing the seed on his well prepared soil is a fool. Buy Clean Seed.

**WEED SEED** is a dear purchase at any price. The home supply is more than enough.



## IOWA GOLD MINE ENSILAGE CORN.

**The Deepest Grained, Purest Yellow Corn in Existence. The Corn that has put Thousands of Good Gold Dollars into the pockets of our farmers and dairymen.**

The Iowa Gold Mine Corn is giving such eminent satisfaction that we again give it the place of honor in the corn family. It puts **gold dollars** in the pockets of all who use it. I can only repeat what I said about it in 1910.

This magnificent variety of corn will grow 14 feet high and mature with our field varieties. It has the largest kernel and smallest cob of any Ensilage Corn known. The grain value of this wonderful variety is about double that of the Leaming or Pride of the North with their immense cobs and small kernels. It is everything that the Pride of the North and Leaming can possibly be, with the great grain producing quality added. There you have it in a nut-shell. It is the biggest milk and money producer on the American continent. Price, \$2.00 bu. shelled

## LUCY'S FAVORITE DENT FIELD CORN

This variety contains the best there is in the Western Dent and Eastern Flint.

Stalks are tall, slender and contain many wide leaves. A long ear with small cob filled with large, broad, dented kernels, thus combining all the good points to be found in the parent stock.

This corn was grown in Onondaga County and is thoroughly acclimated. It may be planted as late as May 25th and will ripen with our ordinary State Flint sorts.

Note what two prominent Onondaga county farmers say of it:

Elbridge, N. Y., Dec. 10, 1910.

Mr. F. H. Ebeling:

Dear Sir—Lucy's Favorite is a strong growing bright yellow dented corn, said to be a hybrid of White Flint and Western Dent, taking the small cob of the White Flint with the large kernels of the Dent corn flattened out to the size of your finger nail. Corn breaks off very easy in husking. Stalks oftentimes having two and three ears being one of the heaviest yielders I ever raised. Planted May 18th, it was fully matured and cut before the frosts touched it. Extra good for fodder, as its leaves are very broad and long. Like all hybrids of this class it grows eight, ten or twelve rows to the ear. We measured out abushel basket of Lucy's Favorite Corn and shelled it, and the shelled corn weighed 34 1-2 pounds, equal to 69 pounds of shelled corn to two bushels of ears. I never have seen so much corn from so few cobs. I consider it one of the best of the new varieties.

Yours truly,

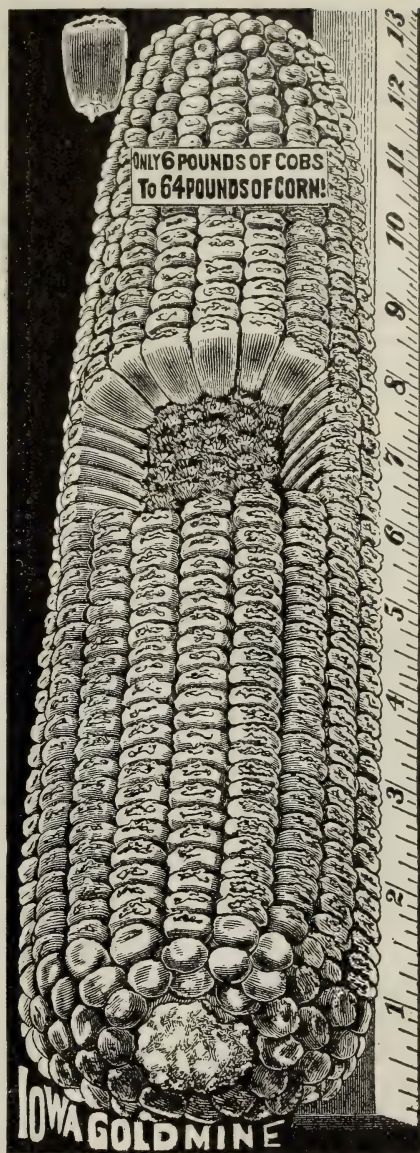
ALFRED E. STACEY.

"I planted Lucy's Favorite Dent Corn on May 24th in well prepared ground and fairly well cultivated and cared for. This healthy and rapid growth was a source of pride and satisfaction to myself and to all that saw it. The stalks are slender, with an abundance of extra wide leaves, and attained a growth of from ten to eleven feet on the average. The corn was all ready for harvesting September 5th, I wanted for ordinary crib corn, but being such a splendid crop I allowed it to stand until September 20th for more perfect ripening.

"It yielded ninety-five bushels to the acre, with practically no soft corn at all.

"The ears are of unusual length and the cob exceedingly small. In fact, this corn is the most profitable and satisfactory of any that I have ever grown."

Price, \$2.50 per bushel.

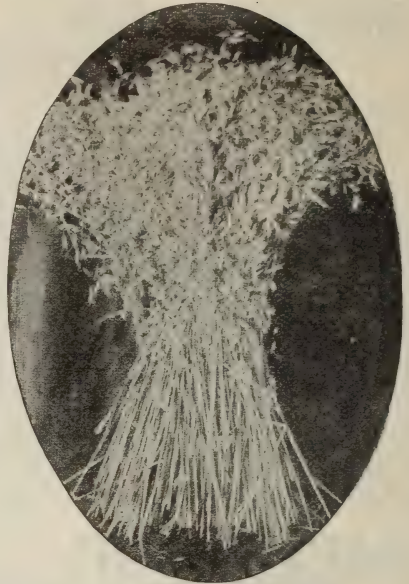


## CANADIAN CLUSTER OATS.

This wonderful variety was imported by us several years ago and has proven itself to be the most valuable and best of all the sorts we have introduced in recent years, in fact, so much so that we have placed the Canadian Cluster Oats at the head of all Oats for their real money value to the farmer. We have secured a large crop for seed which were grown in this county and which yielded heavily and weighed 37 pounds to the measured bushel. For a season like that of 1910 this is most remarkable and shows its robust strength and big commercial value.

Straw 4 to 5 feet tall, many heads 8 to 11 inches, do not rust, stand up well, plump meats. The great root development is one of the characteristics of the Canadian Cluster which enables the plant to resist the drouth better than any other variety tested. Straw is coarse and is noted for its stiffness and power to withstand lodging. The following are some of the reasons why these Oats are the best: They are of the heaviest, 36 to 40 pounds per measured bushel. Stiffness of the straw. Pure white heads, large, upright and bushy. Thin hull, nearly all meat. Will yield eighty bushels to the acre.

**Price \$1.50 per bushel.**



CANADIAN CLUSTER OATS.



## IMPROVED CANADA CLUSTER OATS.

This new and improved type of Canada Cluster Oats is now offered to our farmers for the first time. They yielded the past season 90 bushels to the acre, weight 45 pounds to the bushel. This is what is sometimes called "Tree Oats," containing three kernels to the pod, a splendid white and very fat kernel, very strong, stiff straw, grows as high as six feet, and long between joints, very leafy and the leaves nearly double those of ordinary oats. The reinforcing or supporting roots showing themselves two inches above ground. This you will see makes a very strong straw and prevents lodging, thus overcoming the common fault many otherwise good varieties of oats have. Only a limited lot to offer this season.

**Price \$2.50 per bushel.**

## GERMAN WINTER RYE.

Imported from Germany.

This remarkable rye grows to unusual height. The straw is heavy, very tall and produces about double that of the ordinary kind. The kernels are fully a third larger and of remarkable vitality. Mr. Charles M. Crouse sowed a field of the rye on the David Harum farm, Homer, N. Y., just before the winter set in and produced a remarkable crop of straw and rye. We claim for it wonderful vitality, **BIGNESS OF KERNEL, GREATER production of STRAW and GRAIN**—in short, a rye that will produce almost double over the ordinary kind.

**Price \$2.50 per bushel.**

## BEARDLESS BARLEY.

It is a fine yielder, strong growth of straw without the objectionable beards, which gives it a superior feeding value. These features make it the best and most profitable Barley known. It was introduced by us several years ago, and has proved to be very popular.

**Price \$1.50 per bushel.**



# ERRORS.

We sometimes make them; so does every one! We will CHEERFULLY correct ours if you will write us. How can we correct them if you DON'T? Try to write us good naturedly, but if you can't, then write to us anyway. Don't kick to anyone else, or nurse a grievance. If we have ever made an error or offered you, it's only simple justice to us to let us know. We correct our mistakes gladly. If our methods don't appeal to you, help us with criticism from your point of view. It is inevitable that in business, letters hastily written should sometimes rub the wrong way. We may be awkward in expressing ourselves, but our goods are honestly sold, and we aim to give every one a square deal.

## BOWKER'S LIME-SULPHUR.

(From Bulletin No. 83, Oregon Agricultural Station.) "Satisfactory results are obtained only by the most thorough work. Every square inch of surface, of trunk and limbs, branches and twigs should be thoroughly covered. By far the most common cause of unsatisfactory results is the failure of those who spray to do thorough work."

Every spring when the buds are swelling, but before they show green at the tips, all your fruit trees, vines and shrubs of every kind should be sprayed with our Bowker's Lime-Sulphur. Applications made later than this may burn the foliage and cause serious injury. Therefore you should order early and be prepared for the season.

### Spraying with Lime-Sulphur is Cheap Insurance.

It's better than most insurance because every time you spray you reap a benefit, whether you have San Jose Scale present or not. It kills all forms of scales and bark lice which are always present, the leaf blister mite, the eggs of many insects and the fungus spores which are lodged on the bark. It checks the growth of mosses and lichens and cleans up the trunk and the large branches.

**Lime-Sulphur is not a poison** and kills only by coming directly in contact with the insect. It does not kill leaf-eating insects. Spray for these with our Pyrox.

Our Lime-Sulphur has fungicidal properties and is invaluable for use on peaches, plums and all stone fruits.

It's in concentrated solution, always ready for Fall, Winter and Spring use. You simply add spring water and then spray. Make up your mind that you will give your trees a good start by putting them in condition at the opening of the growing season.

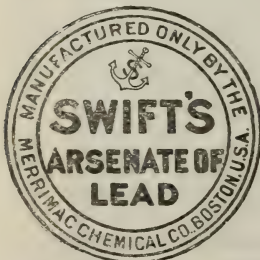
1 gal. 75c.; 5 gal. \$2.25; 10. gal. 4.00; 25 gal. 6.50; 50 gal. 12.00.

## ELLEN'S NEW DISCOVERY.



**FOR MAN OR BEAST  
SURE HEALER and GALL CURE  
Price 25c.**

### SWIFT'S STANDS FOR QUALITY



INSIST ON HAVING  
**SWIFT'S**

1 lb. 25c.; 2 lb. 50c.; 5 lbs. \$1.00.

If you are a truck farmer, gardener, planter, orchardist or shade tree grower you need

### SWIFT'S POISON ARSENATE OF LEAD.

It destroys leaf-eating insects.

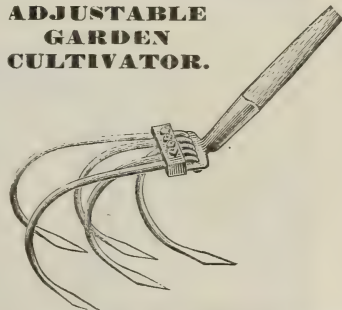
It stays well in suspension.

It will not wash off like Paris Green.

It is ready to mix and sure to kill.

It cannot clog the pump.

### THE "NORCROSS" ADJUSTABLE GARDEN CULTIVATOR.



Does the work easier and faster than any Wheel Hoe. It is adjustable and every part detachable. It works between rows, or centre tooth can be removed and straddle the row.

**Price \$1.25.**



## FARMOGERM. High-Bred Nitrogen Fixing Bacteria.

For Clovers, Alfalfa, Soy Beans, Cow Peas, Field Peas, Garden Peas and all legumes.

In ordering state what legume you want it for. 5 acre size, \$9.00; 1 acre size, \$2.00; garden size, 50c.

### FOR THE FARM.

You put it on the seeds of Peas, Beans, Clovers or Alfalfa, and you not only get a crop but enrich your soil with nitrates for following crops. Twenty thousand farmers are using Farmogerm and getting results. Wouldn't it be worth while to try it? According to government tests you can secure all the nitrates you need for \$2 per acre. We cannot tell you the Farmogerm story in such small space, but a postal call will bring you a thirty-two page book that would be worth reading. We can tell you how to grow alfalfa, soy beans, cow peas and other legumes that are new to your locality. Farmogerm is the only preparation of Nitrogen Fixing Bacteria that could be guaranteed to do work, and we want you to know about it.

### RESULTS WORTH HAVING.

W. A. Curtis, Supt. Borden's Condensed Milk Co., Chatham, N. Y., says:

"We seem to have secured a good even growth from the trial patch on which we sowed June 25th. Please mail us a bottle immediately. Although late in the season will sow on receipt of the Farmogerm."

### IN THE GARDEN.

By putting Farmogerm on the seeds of Garden Peas or Beans, or Sweet Peas, you induce a heavy root growth that makes the plants withstand dry weather much better. You furnish nitrates which the plants need, and will secure a larger and better crop, and one that lasts much longer. An expenditure of 50 cents for Bacteri to treat your Peas and Beans is nothing when compared with the results you get. It takes only a few minutes to put the material on the seeds, and nature does all the rest for you.

T R E A T E D



N O T T R E A T E D

No Nitrate of Soda used on this field.



Nitrate of Soda was used on this field.

### Nitrate of Soda Makes GIANT HAY CROPS.

An average increase of 2775 pounds per acre of field cured hay was shown in 11 actual tests where Nitrate of Soda was used. Tests were made from Nova Scotia to Missouri, and only 100 pounds of Nitrate of

Soda was used per acre. Compare increase with cost of this great fertilizer. Compare fields shown in above actual reproduced photograph. Nitrate of Soda is best and cheapest Nitrogenous fertilizer with which to furnish nitrogen to plants. Price per 100, \$3.85.

### "GRASS GROWING FOR PROFIT."

And other valuable information about NITRATE OF SODA and what it is doing for farmers everywhere will be mailed free to farmers on application. Send address on post card.



## JOHNSON'S PERFECTION Red-White Tipped Radish

As will be seen from the accompanying illustration this Radish is a remarkably attractive variety. The white tip extends nearly half way up the root, and the brilliant color of the top shows up in strong contrast. Short top, tender and crisp.

Excellent for market gardeners.

Price per oz., 15c.; per lb., \$1.00.



NEW IDEAL MANGEL.

### THE IDEAL SUGAR MANGEL BEET.

A new and original mangel, a perfect chunk of a beet, as shown by the cut, indicating easy harvesting on hard soils. The quality of this new mangel, as shown and fully demonstrated on the trial grounds and by laboratory tests, proves it, as compared with thirty other varieties:

The greatest yielder; contains the highest amount of dried substance; contains the greatest amount of sugar; grows high above ground; therefore making it very easy to harvest; also the most valuable feeding beet known. Size, quality and yield, **THESE THREE POINTS** are very important and should not be overlooked. The Crouse Farm at Homer, N. Y., has used this beet for years, and esteem it so highly that they use no other.

We have a limited quantity to offer this season. Price, 75c per pound while it lasts.

### LEMON CUCUMBER.

#### A Novelty of Merit Tried and True.

Is nearly round, yellow and green markings, smooth skin similar to the lemon. Flesh tender, crisp, and possesses a sweetness and flavor surpassing all other cucumbers. Fruit from 2 1/2 to 3 inches in diameter and attractive in appearance. For pickling, either green or ripe, they are unequalled. They should be used for the table just as the fruits are turning yellow. Pkt. 10c. Oz. 25c.

## OUR CELEBRATED BOWKER FERTILIZERS

These fertilizers differ from all others, because they actually aim to supply the required elements in the proper form and quantity to meet the wants of the different class of crops and their habits and conditions of growth. The analysis show that they are complete fertilizers. Their absence of fillers makes them exceedingly rich and concentrated, and are therefore the most economical. Their superiority has been proved for twenty-seven years. We carry in stock the following brands: Hill and Drill, Sure Crop, Corn and Grain, Potash or Staple, Potash Bone, Market Garden, Am. Dissolved Bone for Farm and Garden, Hop and Potatoe, Nitrate of Soda Soluble Bone and Early Potato. Our policy for these fertilizers is to sell strictly for cash, at a very close margin of profit.

### STOCKBRIDGE SPECIAL MANURES.

For Potatoes, Corn, Grain, Vegetables, Onions, Cabbage, Cauliflower, Peas, Beans, Asparagus, Celery, Tobacco, Lettuce, Spinach, Strawberries and Fruit,

## HARDWARE

F. H. Ebeling, Syracuse, N. Y., Sells everything in Hardware, Paint, Glass, Putty, Nails, Enameled Ware, Cutlery, Shears, Razors, Knives, Etc.





DETROIT DARK RED.

**Half Long Blood**, an excellent half long, second early; good also for winter use . . . . . 40

**Long Blood**, long, smooth and very dark red; a late variety. Our strain of this variety cannot be excelled . . . . . 40

**Golden Tankard Sugar** . . . . . 45

**Taber's Gate Post**, new mangel . . . . . 45

**Swiss Chard**, for greens, . . . . . 30

**ASPARAGUS.**

Per oz Per lb

**Barr's Mammoth**, very large, early . . . \$ 10 \$ 1 75

**Palmetto**, large, tender, light green . . . 10 75

**Conover's Colossal**, very large, . . . 10 65

**Asparagus Roots** of the above varieties, per 100, . . . . . 10 1 00

Special prices for quantities.

**BEET. Ruben**

**Crosby's Egyptian**, the best for early market; as early as the original strain of Egyptian, is thicker and less inclined to push up a woody neck as it advances in growth . . . 10 90

**Detroit Dark Red**, globe shape, skin dark red, very sweet . . . . . 10 90

**Bassano**, globe shape, German, early, tender variety; color, light red, . . . . . 10 75

**Bastian Early Blood Turnip** or **Lentz**, very early red variety; not quite so flat as Bassano, . . . . . 10 75

**Extra Early Egyptian**, flat, one of the earliest table beets; small tops, color very dark red; flat and smooth . . . . . 10 75

**Dewing's Blood Turnip**, improved variety of deep blood-red; fine form and flavor . . . 10 75

**Eclipse Blood Turnip**, very early, round, smooth and dark red; very small top, and is one of the best for market, . . . . . 10 75

**Edmand's Turnip**, one of the very best strains for market gardeners; small top, round, handsome and very dark red. Our stock is very fine, . . . . . 10 75

**Mammoth Long Red Mangel** . . . . . 10 45

**Yellow Mangel** or **Intermediate** . . . . . 10 45

**Yellow Ovoid Giant** . . . . . 10 45

**Yellow Globe Mangel** . . . . . 10 45

**Vilmorin's Improved Imperial Sugar** . . . . . 10 45

**New Ideal Mangel Beet**. See page 11 . . . . . 10 75

**BEANS, (Bush) Garten Bohne.**

Per qt Per bu

**MICHIGAN WHITE WAX** . . . \$ 40 \$ 7 00

**HODSON WAX** . . . . . 35 7 50

**GOLDEN WAX Improved**, . . . . . 35 7 50

**BLACK WAX**, yellow pods . . . . . 35 7 50

**DAVIS' KIDNEY WAX** . . . . . 35 7 50

**WARDWELL'S KIDNEY WAX** . . . . . 35 7 50

**GOLDEN EYED WAX** . . . . . 35 7 50

**VALENTINE WAX** . . . . . 35 7 50

**EARLY LONG YELLOW**, six weeks, green pod, . . . . . 30 5 00

**DWARF HORTICULTURAL** . . . . . 30 6 00

**IMPROVED VALENTINE** . . . . . 30 5 00

**MOHAWK**, one of the earliest . . . . . 30 5 00

**BOSTON YELLOW EYE** . . . . . 30 5 00

**REFUGEE PICKLING BEAN** . . . . . 21 6 00

**WHITE KIDNEY** . . . . . 20 4 00

**WHITE MARROW** . . . . . 20 4 00

**WHITE IMPERIAL** . . . . . 20 4 00

**BEANS, (Pole or runners).**

Per qt Per bu

**DREER'S CLUSTER GOLDEN WAX** . . . . . \$ 30 \$ 8 00

**BLACK WAX** . . . . . 30 8 00

**LAZY WIFE**, pole, . . . . . 30 8 00

**HENDERSON BUSH LIMA**, large, . . . . . 30 8 00

**BURPEE'S IMPROVED BUSH LIMA** . . . . . 50 12 00

**BURPEE'S BUSH LIMA** . . . . . 30 8 00

**EARLY JERSEY LIMA**, new . . . . . 3 7 00

**KING OF THE GARDEN LIMA** . . . . . 30 7 00

**CRANBERRY, SPECKLED** or **WREN'S EGG** . . . . . 3 6 00

**DUTCH CASE KNIFE**, white flat, . . . . . 30 6 00

**SCARLET RUNNER** . . . . . 40 6 00

**WHITE DUTCH RUNNER** . . . . . 40 6 00

**ONONDAGA POLE** . . . . . 30 6 00

**BROAD WINDSOR** . . . . . 50

**BROCCOLI.**

Per o Per lb

**EARLY**, large (French) . . . \$ 1 00 \$

**SOUTH HAMPTON** . . . . . 1 0

**BRUSSELS SPROUTS.**

**DWARF**, fine French, . . . . . 20 1 75

**BORECOLE or KALE.**

Per oz Per lb

**GREEN CURLED** or **KALE** . . . . . 15 \$ 1 00

**PURPLE** or **BROWN KALE** . . . . . 15 1 00

Bei uns wird Deutsch gesprochen.





EARLY JERSEY WAKEFIELD.



VOLGA CABBAGE.

**CABBAGE** Kopt-Kohl.

Per oz Per lb.

**EARLY SPRING CABBAGE.** The earliest and best of all the first early sorts. It's hardiness fits it not only to resist the cold, but any and all unfavorable conditions.

\$ 35 \$4 00

**DANISH BALL HEAD CABBAGE.** This is imported direct from Denmark, and is the genuine true to name variety. Have imported annually for many years, and it has given the best of satisfaction. Our seed for this season is especially fine

Volga Cabbage, new . . . . .	40	5 00
Henderson's Early Summer . . . . .	30	4 00
Winningsstadt, early . . . . .	30	3 00
Early Ox Heart, or Etampes . . . . .	30	3 00
Early Jersey, Wakefield . . . . .	30	3 00
Succession, L. I. grown . . . . .	30	3 00
Sure Head Cabbage . . . . .	30	3 00
Houser, big, hard, late . . . . .	30	3 00
Fotler's Brunswick . . . . .	30	3 00
Danish Store Head, red . . . . .	40	5 00
Hollander . . . . .	30	5 00
All Seasons . . . . .	30	3 00
Premium Flat Dutch . . . . .	30	3 00
Large and Late Drumhead . . . . .	30	3 00
Marblehead Mammoth . . . . .	30	3 00
Warren or Stonemason . . . . .	30	4 00
Red Dutch, "Erfurt," early . . . . .	30	4 00
Red Rock, late, . . . . .	30	3 00
Large Dark Red Drumh'd . . . . .	30	3 00
Globe Savoy . . . . .	30	3 00
Victoria Savoy . . . . .	30	3 00

### GENUINE DENMARK GROWN CAULIFLOWER SEED.

Imported annually from our Denmark growers for many years.

The best Gardeners in this section have used our strains for years. A sure header, a fine yielder and a money maker.

**CAULIFLOWER**-BlumenKohl

Per oz

Ebeling's Danish Giant, extra small leaf, fine large head, late, . . . . . \$4 00

Ebeling's Dwarf Snowball, fine quality, true, early, . . . . . 4 00

Half Early Paris, large heads. . . . . 75



TRUE SNOWBALL CAULIFLOWER

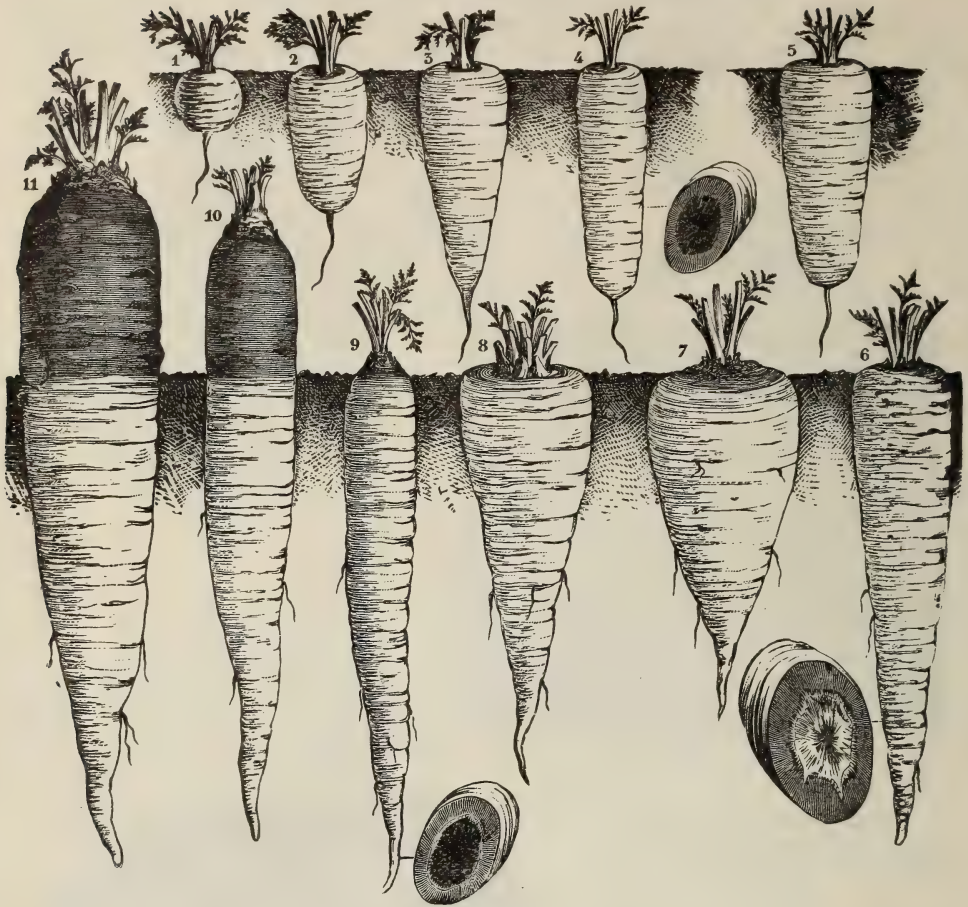
**Maggots in Cabbage Plants.**

Soak Paris Green in bran and spread between the rows. The maggots will come out and eat this and die.

**NON-WARRANTY**—F. H. Ebeling gives no Warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants he sends out, and he will not be in any way responsible for the crop. If the purchaser does not accept the goods on those terms, they are at once to be returned.

**BARGAINS IN PLOWS. BONE MILLS AND POULTRY SUPPLIES.**





THIS OUT SHOWS TRUE SHAPE OF CARROTS.

**CARROTS, Gelbe Ruben.**

Per oz      Per lb

1. <b>Early French Forcing</b> , nearly round, small, very early, . . .	\$ 10	\$1 50
2. <b>Early Horn</b> , scarlet, very early, . . .	10	1 00
3. <b>Danver</b> , medium size, orange yellow, . . .	10	1 00
4. <b>Chantenay</b> , finest quality for table, dark orange . . .	10	90
5. <b>Rubicon Half Long</b> , rich, dark orange, (Improved Danver) . . .	10	90
6. <b>Saint Vallery or Point Rooted Danver</b> . . .	10	90
7. <b>Large White Vosges</b> , for cattle, large yielder, . . .	10	75
8. <b>Half Long Pointed</b> , St. James' new, red . . .	10	75
9. <b>Altringham</b> , red for butter, . . .	10	75
10. <b>Long</b> , orange green top, yellow, very productive, . . .	10	75
11. <b>Large White Belgian</b> , very productive, . . .	10	75
<b>Meaux Large</b> , dark orange stump rooted, smooth, fine for table, .	10	100
<b>Oxheart</b> (or Guerande), thick stump rooted, . . .	10	75

Names of a few gardeners who have dealt with this house continuously from 27 to 42 years:

Wm. Clark, Solvay, . . . . . 40 years.	William Lambert, Salina, . . . . . 29 years.
Charles B. Day, Waterloo, . . . . . 27 "	Henry O'Neil, . . . . . 27 "
J. N. Rose, Syracuse, . . . . . 42 "	John Butler, Onondaga Valley, . . . . . 39 "
S. B. Babcock, Fulton, . . . . . 34 "	A. H. Ballard, East Onondaga, . . . . . 29 "
Albert Wright, Syracuse, . . . . . 42 "	George Craddock, Onondaga, . . . . . 41 "
	Henry Wright, Syracuse, . . . . . 42 "

Also hundreds of others who have dealt with us 6 to 27 years.





A FIELD OF OUR WHITE PLUME AND PARIS GOLDEN CELERY.

Grown by Sebastian Smith on Grand Avenue, This City.

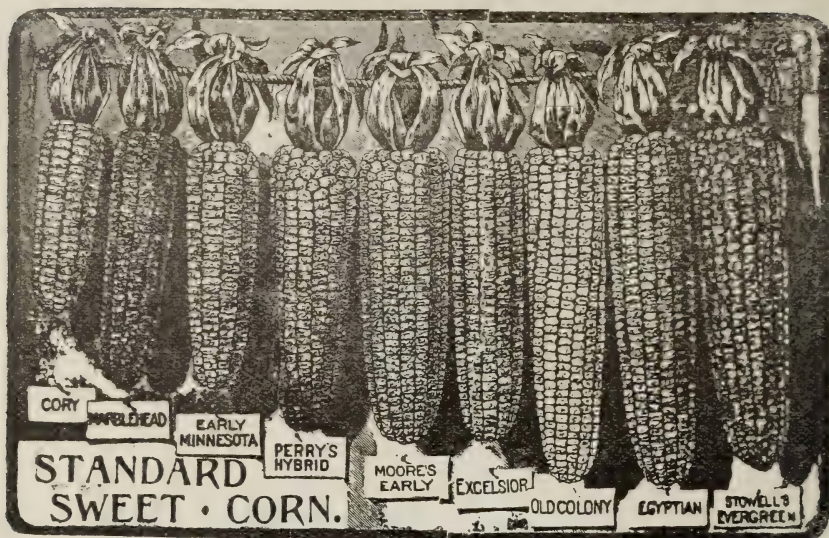
**CELERY**, Selerie.

	Per oz	Per lb
<b>PARIS GOLDEN SELF BLANCHING.</b> Our strain of this variety is unexcelled and absolutely reliable; this sort is without doubt the finest early Celery in cultivation. It is perfectly solid, of a fine, nutty flavor, attains a good size, and when blanched is of a handsome golden yellow, . . . . .	\$ 75	\$8 00
<b>CRAWFORD'S HALF DWARF.</b> Very solid, creamy white when blanched; fine flavored, . . . . .	25	2 00
<b>DWARF GOLDEN HEART.</b> Resembles the Half Dwarf White in habit of growth; very solid and the heart is of a golden yellow when blanched; excellent keeper, . . . . .	25	2 00
<b>EVANS' TRIUMPH.</b> Fine green variety, large and solid, . . . . .	30	2 00
<b>GIANT PASCAL.</b> The largest variety grown, is also the best keeper; of fine, nutty flavor, very easily blanched; deservedly popular for fall and winter use, . . . . .	25	2 00
<b>GIANT WHITE SOLID.</b> Attains large size, is a quick grower, solid, crisp and a good keeper. Very popular with the English gardener . . . . .	50	4 00
<b>WHITE PLUME.</b> A well known and perhaps the most popular variety of Celery; very early, ornamental, and for quality surpassed by none, . . . .	25	2 50
<b>BOSTON MARKET.</b> Popular in the markets of Boston; a strong grower, remarkably tender and crisp, . . . . .	25	2 00
<b>KALAMAZOO WHITE SOLID DWARF.</b> Grown extensively by Celery growers at Kalamazoo, Michigan; a dwarf white variety, easily blanched; a good keeper and popular as a shipper, . . . . .	30	2 00
<b>NEW ROSE.</b> The best of all the red or pink varieties, combining hardness, solidity and keeping qualities; for crispness, and fine, nutty flavor, it has no superior, . . . . .	30	3 00
<b>PERFECTION HEARTWELL.</b> A large, solid, fine flavored, sort of creamy white color; a fine winter sort, . . . . .	25	2 00
<b>SUTTON'S SUPERB PINK.</b> Very crisp, sweet and tender. Favorite with the English gardener. The finest of all Celery for family use, . . . . .	50	4 00
<b>PINK PLUME.</b> Practically identical with Improved White Plume, but with the added merit of the stalks being richly suffused with pink, . . . . .	30	3 00
<b>SOUP CELERY.</b> Seeds for flavoring soups, pickles, etc., . . . . .	15	1 00
<b>CELERIAC.</b> Large smooth or turnip rooted Celery, . . . . .	20	2 00

**CHICORY**, Chicorie.

Improved Large Leaves for Greens, . . . . .	15	75
Large Rooted for Coffee, . . . . .	15	75





### SWEET CORN.

Price on corn subject to change without notice.

	Per qt.	Per bu.
<b>GOLDEN BANTAM</b> —Three feet high, small ear, golden creamy yellow kernels, of superb quality . . . . .	\$ 40	\$ 6 00
<b>PREMO</b> —The earliest and best sweet corn in existence, early as the "Early Adams," . . . . .	30	5 00
<b>EARLY MONARCH</b> —Very white, 12 14-row, large, really as early as Perry's Hybrid, frequently 2 ears on a stalk, very sweet, most desirable, second early in the market, . . . . .	30	5 00
<b>PEEP O' DAY</b> —Extremely early, pure white, small cob, very sweet, . . . . .	30	5 00
<b>CORY RED</b> —Earliest 8 row, red cob 6 inches long, . . . . .	25	5 00
<b>CORY WHITE</b> —Similar to Cory Red, . . . . .	25	5 00
<b>MARBELHEAD</b> —Extra early, Red Cob, very fine, . . . . .	25	5 00
<b>PERRY'S HYBRID</b> —Early 12-rowed, large ears, stalks of strong growth, 2 ears to the stalk, very sweet . . . . .	25	4 00
<b>EARLY MINNESOTA</b> —8 rowed, large sweet kernels fine standard sort, . . . . .	25	4 50
<b>CROSBY EARLY</b> —12-row, second early, 10 to 12 row, medium size, . . . . .	25	4 50
<b>BALLARD'S RED COB</b> —Similar to Perry's Hybrid, . . . . .	25	5 00
<b>SHAKER'S</b> —Early, large ears, fine quality, . . . . .		4 00
<b>EARLY EVERGREEN</b> —12 rows, 10 days earlier than Stowells, . . . . .		5 00
<b>MOORE'S EARLY CONCORD</b> —Large, handsome 14-rowed, fine quality, . . . . .		4 00
<b>ASYLUM</b> —Large, fine late, very sweet . . . . .		4 00
<b>EGYPTIAN</b> —Large, very late, tall growing, very sweet tender, fine for canning, . . . . .		4 00
<b>STOWELL'S EVERGREEN</b> —Extra fine quality, stalks of strong growth, 2 ears to the stalk, very sweet, large kernels and slender cob, . . . . .		4 00
<b>COUNTRY GENTLEMAN</b> —A cross of the Stowells' Evergreen and No Plus Ultra, slender and deep kernels, very productive and sweet, . . . . .		5 00
<b>HICK'S IMPROVED SUGAR</b> —Very fine late, large ears, popular canning variety, . . . . .	25	4 00
<b>BLACK MEXICAN</b> —Medium early, 8-row, very sweet, . . . . .	25	5 00
<b>ANGEL-OF-MIDNIGHT</b> —A very popular field sort . . . . .		2 00
<b>EIGHT-ROWED YELLOW</b> —A very desirable field variety . . . . .		2 00
<b>SMUT NOSE or KING PHILIP</b> —A fine, large yielding sort . . . . .		2 00
<b>EIGHT ROWED WHITE</b> —Large eared, field variety, large yielding sort . . . . .		2 00
<b>HURON DENT</b> —Dent variety, ripens like State corn . . . . .		2 00
<b>PRIDE OF THE NORTH</b> —Ensilage variety . . . . .	1 50 to	2 00
<b>LEAMING</b> —Fodder corn—Ensilage variety . . . . .	1 50 to	2 00
<b>"SOU"</b> —Fodder corn, very leafy, quick growing and fine for green fodder . . . . .		1 50
<b>EVERGREEN</b> —Sweet corn for fodder, . . . . .		3 00
<b>IOWA GOLD MINE</b> —Ensilage variety . . . . .		1 25
<b>LUCY'S FAVORITE YELLOW DENT</b> —See pp. 7 . . . . .		2 50
<b>STACY'S WHITE FLINT</b> — . . . . .		3 00

	Per oz.	Per lb.
<b>CORN SALAD</b> , Ackersalat. Large round leaved or small seeded, . . . . .	\$ 15	\$ 75
<b>CHERVIL</b> , Gartenkerbel. Curled. Treat like parsley. A valuable flavoring herb . . . . .	20	2 00
<b>CRESS OR PEPPERGRASS</b> , Kresse. Fine for salads, . . . . .		
<b>CRESS</b> —Garden curled, . . . . .	10	75
<b>WATER CRESS</b> — <b>DWARF</b> —Fine curled, grows in shallow water . . . . .	25	2 50





THE ABOVE SHOWS THE TRUE TYPE OF CUCUMBERS.

No. 1, Early Cluster; 2, Long Green; 3, Early Frame; 4, Early Russian; 5, White spine.

<b>CUCUMBER, Gurke.</b>	Per oz	Per lb
Vickery's Forcing . . . . .	\$ 30	\$1 00
Arlington. A selection from the White Spine, but more pointed at each end. Very dark green color . . . . .	Pkt. 5c;	10 1 00
Cumberland, handsome green—straight, firm, solid, crisp . .	10	1 00
Japanese Climbing. Very handsome, long, dark green . . .	10	1 50
Lemon Cucumber. A very fine acquisition to the cucumber family . . . . .	Pkt 10c	25
Aksarben, new, dark green, . . . . .	10	1 00
Hill's Forcing Early White Spine, . . . . .	10	1 00
Fordhook White Spine, . . . . .	10	1 00
Green Prolife, extra early, . . . . .	10	1 00
Early Russian, . . . . .	10	1 00
Early Frame, . . . . .	10	1 00
Early Cluster, . . . . .	10	1 00
White Spine, Improved ext. stock, . . . . .	10	1 00
Long Green, . . . . .	10	1 00
Giant Pera, . . . . .	per pkt.,	20
Telegraph, per doz., seed, . . . . .	"	20
West India Gherkin, . . . . .	"	20



ENDIVE



KOHL-RABI.

<b>EGG PLANT, Eierpfanze.</b>	Per oz	Per lb
New York Improved, . . . . .	\$ 40	\$4 00
Black Pekin, or Black Beauty . . . . .	40	4 00
<b>ENDIVE, Endivien. "Escarotte" or "Chicoree."</b>		1 00
Yellow Early (not curled), . . . . .	20	1 50
Green Curled Winter, . . . . .	20	1 25
Fine Curled Summer, . . . . .	20	1 50
Broad Leaf . . . . .	20	1 50
<b>GARLIC, Knoblauch.</b>	Sets	10 40
<b>HERBS, See page 22.</b>		
<b>KALE, or Borecole. See Borecole.</b>		
Green Curled, . . . . .	15	85
Siberian Curled, German Greens, . . . . .	15	75
<b>KOHL-RABI.</b>		
White, above ground, . . . . .	25	2 00
Purple, above ground, . . . . .	25	2 50
<b>LEEK, Lauch. London, broad flag,</b>	20	1 00





GRAND RAPIDS LETTUCE.

**LETTUCE** Salat.

Per oz Per lb

**Grand Rapids**, new forcing

very fine for greenhouse . . .	\$ 15	\$1 50
<b>Denver Market</b> , early head . .	15	1 50
<b>Onondaga</b> , for Green House . .	15	1 50
<b>Brown Dutch</b> . . . . .	15	1 50
<b>Big Boston</b> . . . . .	15	1 50
<b>Satisfaction</b> . . . . .	15	1 50
<b>Early Curled Simpson</b> . . . .	15	1 50
<b>Early Curled Silesian</b> . . . .	15	1 50
<b>Golden Stone</b> . . . . .	15	1 50
<b>Iceberg</b> . . . . .	15	1 50
<b>Hanson Head</b> . . . . .	15	1 50
<b>New York Head</b> . . . . .	15	1 50
<b>Indian or Prize Head</b> . . . .	15	1 50
<b>Tennis Ball</b> . . . . .	15	1 50
<b>White Cos</b> . . . . .	15	1 50

**Yellow Seeded Butter**—Cabbage Butter head, medium large, medium green, leaves crumpled and rather thick. Is similar or same as silver ball.

**Giant White Cos**—Large size, medium light green, is quite tall, forms a good head.

**Deacon Head**—Cabbage butter head, medium size, medium green, leaves thick. Does not form a decided head but a well folded one, which is very oily and golden yellow inside.

**Denver Market**—Cabbage, butter head, medium small size, medium green. One of the old standard varieties, and in our experience have found it identical with White Seed Tennisball.

**Big Boston**—A fine large-heading forcing sort, and succeeds well in cold frames during the winter. The plants are very hardy and vigorous. When well grown, the heads are beautifully blanched and quite tender.

**New York Head**—Curled or Crisp as Iceberg, dark green heads somewhat conical.

**MUSKMELON.** Melone.

Per oz Per lb

**Hoodoo**—New orange fleshed. . . . .

\$ 10 \$ 75

**Onondaga Musk Melon**—A new early, large, fine oblong, netted, green fleshed melon. A great yielder, very hardy, firm fleshed, attractive in appearance

\$1 50

**Paul Rose or Petosky**—Fine salmon fleshed . . . . .

10 1 50

**Rocky Ford**—New, green flesh, . . . . .

10 1 00

**Miller's Cream or Osage**—Very fine, deep Salmon flesh . . . . .

10 1 50

**Green Citron**—Color dark green . . . . .

10 2 00

**Surprise**—Round, yellow flesh, medium size . . . . .

10 1 50

**Tip Top**—A very fine, yellow fleshed, market melon . . . . .

10 2 00

**Emerald Gem**—Green flesh . . . . .

10 2 00

**Osage**—Salmon fleshed . . . . .

10 2 00

**Large Nutmeg or Improved Cantelope**—Green flesh . . . . .

10 1 25

**Montreal Market Musk**—Green flesh, . . . . .

10 1 25

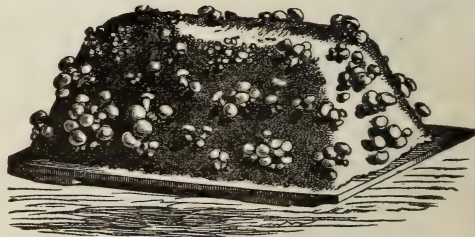
**Hackensack**—Very fine, green, large, attractive . . . . .

10 1 25

**MUSHROOM SPAWN.**

Mushrooms may be grown wherever the temperature of 60 degrees can be kept up throughout the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted. It takes about two months to begin bearing.

**Price, 25 cents per pound.**



MUSHROOM BED

For full particulars how to grow them, see our book on Mushroom growing listed on front page inside of cover. Price \$1.25

Bei uns wird Deutsch gesprochen.





A field of our Yellow Globe Danver Improved Onion.

**WATERMELON.** Wassermelone

	Per oz	Per lb
<b>Sweet Heart</b> , early, large, handsome, . . . . .	\$ 10	\$ 75
<b>Phinney's</b> , Early, red flesh, . .	10	75
<b>Cole's Extra</b> , early, . . . . .	10	75
<b>Mountain Sweet</b> , old favorite, . . . . .	10	75
<b>Black Spanish</b> , round, dark green with red flesh, . . . . .	10	75
<b>Ice Cream</b> , . . . . .	10	75
<b>Green Citron</b> , for preserves . .	10	75
<b>MARTYNIA</b> , for pickles, . . . .	40	3 25
<b>NASTURTIUM.</b>		
<b>Tall</b> (See Flower Seed), . . . .	10	75
<b>Dwarf</b> , . . . . .	10	85
<b>OKRA or GUMBO.</b>		
<b>Dwarf</b> , white, . . . . .	10	75
<b>MUSHROOM SPAWN.</b>		
<b>English</b> , . . . . .		30
<b>MUSTARD, Senf.</b>		
<b>White</b> , . . . . .	05	35
<b>Brown</b> , . . . . .	05	35

**ONION.** Zwiebel

	Per oz	Per lb
<b>Southport Yellow Globe</b> . . . .	\$ 20	\$ 1 75
<b>Michigan Yellow Globe</b> . . . .	20	1 75
<b>Ohio Yellow Globe</b> . . . . .	20	1 75
<b>Yellow Globe Danvers</b> , Improved . . . . .	20	1 75
<b>Flat Danver Yellow</b> . . . . .	20	1 75
<b>Prize Taker</b> . . . . .	20	1 75
<b>Extra Early Red</b> , early, flat, . .	20	1 75
<b>Southport</b> , Red Globe, . . . . .	20	1 75
<b>Large Red Wetherfield</b> . . . . .	20	1 75
<b>California Early Red</b> . . . . .	20	1 75
<b>Bolton Seed</b> , produces the Bolton Sets, . . . . .	25	3 50
<b>White Silverskin or Portugal</b> , for bunching, . . . . .	25	2 50
<b>Southport White Globe</b> . . . .	25	2 50
<b>Mammoth Silver King</b> . . . . .	25	2 50
<b>Barletta or White Queen</b> . . . .	25	2 00
Small white. Fine for pickles . .		
<b>TOP ONION SETS.</b> Market Price.		
<b>Bolton. Yellow. White. Potato.</b>		



BELL OR BULL NOSE.

**PARSLEY.** Peterselia

	Per oz	Per lb
<b>Champion Moss Curled</b> . . . .	\$ 10	\$ 75
<b>Fern Leaved</b> . . . . .	10	75
<b>Extra Double Leaved</b> . . . . .	10	75

**PARSNIPS.** Pastinake

<b>Long White</b> . . . . .	10	50
<b>Hollow Crown</b> thick shoulder . .	10	50

**PEPPER.** Pfeffer

<b>Chinese Giant</b> . . . . .	50	5 00
<b>Rose Mammoth</b> , extra Bull Nose .	25	2 50
<b>Bell or Bull Nose</b> , extra large . .	25	2 50
<b>Ruby King</b> , extra long . . . . .	25	2 50
<b>Long Red Cayenne</b> . . . . .	25	2 50
<b>Monstrous Red</b> , for stuffed pickles, .	25	2 50
<b>Celestial</b> , new, . . . . .	25	2 50
<b>Red Cluster or Red Cherry</b> . . .	25	2 50
<b>Chili</b> , small, for pepper sauce . .	25	2 50
<b>Birds Eye or Creole</b> , extremely hot, small red, . . . . .	25	2 50



Never in the history of the seed trade has there been such a scarcity of Seed Peas known. We offer at prices named below, but subject to change of prices without notice. F. H. EBELING.

**PEAS. Erbsen****EXTRA EARLY SORTS.**

Per oz Per bu

These prices subject to change without notice.

* <b>Thomas Laxton</b> , One of the very best early peas. More prolific than Gradus and pods nearly as large. Extra fine quality. Height 30 to 31 in. Should be in every garden. Season 53 to 58 days. . . . .	60	
* <b>Gradus or Prosperity</b> , pods as large as Telephone. Early as Alaska. Extra fine quality. Height about 30 in. Grow it. Season 50 to 55 days . . . . .	60	
<b>Alaska</b> , very early, excellent quality. Height 30 in. Season 48 to 50 days . . . . .	40	\$9 00
<b>Extra Early</b> , better quality than Alaska and fully as early. Height 24 to 30 in. Season 48 to 50 days . . . . .	40	9 00
* <b>Gregory's Surprise</b> , a very early, sweet, wrinkled variety. Fine quality. Height 24 in. Season 48 to 50 days . . . . .	50	9 00

**DWARF VARIETIES.**

* <b>American Wonder</b> , sweet, wrinkled. Very early. About seven weeks from planting to picking. Height 10 to 12 in. Season 50 to 53 days . . . . .	51	10 00
* <b>Little Gem</b> , a dwarf, green, wrinkled pea. Very prolific and of excellent flavor. A few days later than above. Height 16 to 18 in. Season 55 to 60 days . . . . .	50	10 00
* <b>Nott's Excelsior</b> , resembles American Wonder. A trifle taller and more prolific. A few days later. Fine quality. Season 55 to 60 days . . . . .	50	10 00
* <b>Premium Gems</b> , a week later and a few inches taller than American Wonder. Fine quality. Season 58 to 60 days . . . . .	50	10 00

**SECOND EARLY.**

* <b>Advancer</b> , about the same as Premium Gems. A good, sweet, wrinkled pea. Height 25 to 30 in. Season 53 to 60 days . . . . .	50	10 00
* <b>Horsford's Market Garden</b> , season about the same as Advancer, but more hardy and prolific. Good quality. Season 60 to 65 days . . . . .	50	10 00
* <b>Admiral</b> , very prolific. Quality good. Size small. Picking season short. Height 4 feet. Season 60 to 63 days . . . . .	50	9 00
* <b>Ebeling's Telephone</b> , follows Advancer. Pods very large, well filled with extra fine sweet peas. Height 4 feet. Season 68 to 70 days . . . . .	50	11 00
* <b>Duke of Albany</b> , similar to Telephone, but pods and peas darker green, holding fresh appearance longer. Season 72 to 75 days. . . . .	50	11 00
<b>Long Island Mammoth</b> (sometimes called the Telegraph) This celebrated Pea very closely resembles the popular Telephone. Pods large in every way, long and broad, and contain six to nine seeds, height 4 feet. Pods a shade darker colored than Telephone and a very prolific yielder. Last year this variety produced a better crop than any other sort. Are especially popular with the English growers for marketing . . . . .	50	10 00
* <b>Dwarf Champion</b> , productive, good quality. Height 25 to 30 in. Season 73 to 75 days . . . . .	50	10 00

**LATE VARIETIES.**

* <b>Abundance</b> , productive, good quality. Height 2 1-2 to 3 feet. Season 77 to 80 days . . . . .	50	10 00
<b>Everbearing</b> , good quality. Height 2 1-2 to 3 feet. Season 78 to 81 days . . . . .	50	10 00
* <b>Champion of England</b> , an old favorite. Good quality. Height 4 feet. Season 78 to 80 days . . . . .	50	10 00
* <b>Yorkshire Hero</b> , good quality, large peas. Height 2 ft. Season 78 to 80 days . . . . .	50	10 00
* <b>Improved Straggem</b> , pods large, peas extra fine quality. A fair cropper, yielding well under favorable conditions. Height 2 feet. Season 80 to 82 days . . . . .	50	10 00
* <b>Mammoth Podded Sugar</b> , large, edible pods, to be broken and cooked like string beans. Height of vine 5 to 6 feet . . . . .	50	10 00
<b>White Marrowfats</b> , fair quality. Height 4 to 5 ft. Season 80 to 85 days . . . . .	25	4 00
<b>Black Eyed Marrowfats</b> , season 75 to 80 days . . . . .	25	4 00

\*Wrinkled varieties.

**POTATOES.**

Per bu.

<b>Irish Cobbler</b> , a most popular white early potato, a splendid yielder, and leads the list of early white sorts . . . . .	\$2 00
<b>White Ohio</b> , the earliest white potato on the market, . . . . .	2 00
<b>Beauty of Hebron</b> , early and one of the best; red and white skin, white flesh . . . . .	2 00
<b>Early Ohio</b> , extra early maturing about two weeks before the Early Rose; almost round; flesh solid, cooks dry and mealy . . . . .	2 00
<b>Early Rose</b> , popular standard early; noted for earliness, productiveness; fine quality . . . . .	2 00
<b>Rural New Yorker No. 2</b> , standard late, round white variety . . . . .	1 50
<b>Carmen No. 3</b> , enormously prolific, averaging nearly a pound apiece; very uniform . . . . .	1 50
<b>Early White Albino</b> . This wonderful new potato has crowded all other early white potatoes out of the field. The tubers are of a large size for so early a potato cooking dry and mealy, of grand keeping quality. In late spring when other early potatoes are soft and soggy this potato remains firm, cooking dry and mealy . . . . .	2 00
<b>Early Johnson</b> (Pink). Early, one of the grandest later day potatoes. The tubers are of even size, cooking very dry and mealy, with an exceptionally luscious flavor . . . . .	2 00
<b>Star of the East</b> (Clouded) Oblong in shape, large size, and a fine table potato. Vines are very vigorous and blight-resisting, and it is a very large yielder . . . . .	1 50

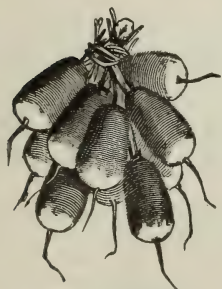
**PUMPKIN SEEDS.**

Connecticut Field, . . . . . per lb., 20	Cashaw Pumpkin, fine table . . . . . per lb., 50
Cheese Pumpkin . . . . . per lb., 60	Mammoth Prize Pie . . . . . per pkt., 10





DEEP SCARLET TURNIP  
RADISH.  
SMALL TOP. NEW.



FRENCH BREAKFAST  
RADISH.



CHINESE ROSE WINTER  
RADISH.

**RADISH.** Radischen. Best imported. French stock.

	Per oz	Per lb
Johnson's Perfection Red White Tipped Radish . . .	\$ 15	\$ 1 00
Long Black Spanish, winter, black skin, white flesh, . . .	10	75
Giant Stuttgart. Fine, large, white winter . . .	10	75
White Giant Spanish, winter, . . . . .	10	75
White Strasburg, fine, solid, large, summer, . . .	10	75
Icele. Handsome, long, pure, pure white. Some- what shorter and mature a little earlier than Long White Vienna. A fine white summer sort . . .	10	75
Early Scarlet Globe, . . . . .	10	75
Ne Plus Ultra Deep Scarlet Turnip, forcing . . .	10	75
Early Scarlet Turnip, white Tipped (rosy gem) . . .	10	75
Early Deep Scarlet Turnip, forcing, . . . . .	10	75
Early White Box or Turnip, . . . . .	10	75
Early Deep Scarlet, olive shape, small top, . . .	10	75
White Olive Shaped or Newcombe, . . . . .	10	75
Rosy Gem, one of the earliest forcing in cultivation, Shape a perfect globe. Deep scarlet top, blending into white at bottom . . . . .	10	1 00
French Breakfast, white tipped, . . . . .	10	75
Early Long Scarlet, short top, . . . . .	10	75
Long White Vienna or Lady Finger, excellent, . . .	10	75
Chartier Long, white tipped, . . . . .	10	75
Scarlet Chinese Rose Winter, fall variety, . . . .	10	75
Round Black Spanish Winter, German favorite, . .	10	75
White Russian, very large, winter, . . . . .	10	75
California Mammoth White, winter, . . . . .	10	75

Special prices in quantities.

**SAGE,** . . . . . 20 2 00

**SALSIFY,** or Vegetable Oyster, Bocksbart.

Large White, . . . . .	10	1 00
Mammoth Sandwich Island, new, . . . . .	10	1 00
<b>SORREL,</b> Large Leaved French, . . . . .	10	1 00

**SPINACH.** Spinat. 25 lb. lots special prices.

Early Giant Thick Leaved. An early maturing sort, with large leaves of fine, deep green color, . . .	5	40
Round Summer Broad Leaved. Preferred in the north for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, stands exposure well.	5	40
Round-Viroflay. (Thick leaved.) Has very large, thick, dark green leaves; the favorite market gar- deners' sort for fall or spring sowing, . . . . .	5	40
Norfolk Savoy, or Bloomsdale. Large curled and wrinkled leaves; tender, of finest flavor, . . .	5	40
Long-Standing. (Round, Thick-leaved.) Dark green; leaves large and thick; very long-standing before running to seed; the best for spring growing, . .	5	40
Victoria. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance and of the finest quality; remains in prime condi- tion from two to three weeks after all other vari- eties have run to seed; a fine variety for spring sowing, . . . . .	5	35
Prickly or Winter. Vigorous and hardy, and rec- ommended for fall sowing, . . . . .	5	35

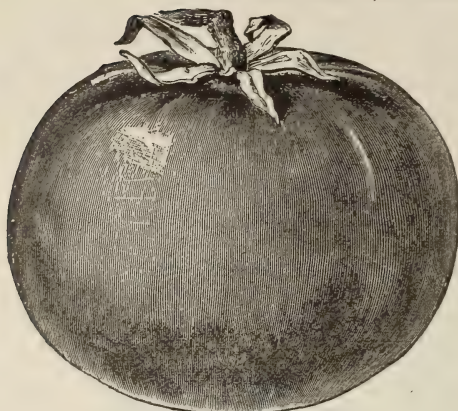
**SQUASH.** Kurbis.

	Per oz	Per lb		Per oz	Per lb
The Delicious, new, . . . . .	10	\$ 85	Hubbard, winter, fine stock, . . .	\$ 10	\$ 75
Golden Hubbard, . . . . .	10	85	Boston Marrow, old variety, fall, . .	10	75
Golden Bush Scallop, . . . . .	10	85	Butman, nearly like Hubbard, . . .	10	75
Early Scallop, white, . . . . .	10	85	Marblehead, like Butman, . . . . .	10	85
Giant Summer, Crook-neck, . . . . .	10	85	Vegetable Marrow, . . . . .	10	85
The Faxon, very early, . . . . .	10	85	Fordhook, . . . . .	10	1 00

**TOBACCO SEED.** Tobacco Samen.

Wilson's Hybrid, . . . . .	per oz. 50.	Haynes, . . . . .	per oz. 50
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CHALKS EARLY JEWEL.

**LANDRETH'S RED ROCK.**—This wonderful Tomato will ripen in 110 days from seed sown in the open field to RIPE FRUIT, according to soil, location and weather conditions, or if fruited from plants raised in beds then sixty or seventy days from transplanting. Earlier and larger than "Stone"

A fine, very red Canner's variety, extraordinarily meaty and solid, smooth as an apple, free from cracks, red as is possible to be, and free from an excess of water. It ripens clear up to the stem without crack, depression or core. An amazingly heavy producer, thirty tons frequently having been grown to the acre. Heavy and continuous in bearing from the first of July until killed by frost. Nearer sun-proof and rust-proof than any other sort.

It is recommended specially to planters for canning factory purposes.

\*Another new variety from Livingston. This is what he says of it: "The same sort of tomato as Dwarf Champion, but the vine is of stronger growth and the fruit is double the size."

**TOMATO. Liebesapfel.**

	Per oz	Per lb
Landreth's Red Rock, see description below, . . . . .	\$ 30	\$4 00
*Livingston's Dwarf Stone, red . . . . .	40	3 00
Sparks Earliana, largest early scarlet on the market, . . . . .	40	3 50
Chalk's Early Jewel, scarlet, . . . . .	25	3 50
New Scarlet Stone, . . . . .	25	2 50
Matchless, large scarlet, . . . . .	25	2 50
Ignotum, new, deep red, . . . . .	25	3 00
Dwarf Champion, pink, . . . . .	25	2 50
Livingston's Beauty, pink, . . . . .	25	2 25
Livingston's Favorite, scarlet . . . . .	25	2 25
Acme, purple, . . . . .	20	2 00
Lorillard, early bright red, . . . . .	25	2 50
Ponderosa, very large, red, . . . . .	25	3 00
Trophy, large and solid, red . . . . .	25	2 25
Yellow Husk, . . . . .	5c	paper
Golden Queen, . . . . .	5c	"
Yellow Plum, . . . . .	5c	"

**TURNIP. Steckrube**

Per oz Per lb

**LONG ISLAND IMPROVED RUTA BAGA TURNIP.**

This very desirable variety is nearly globe shaped with absolutely no neck. The flesh is firm and very tender; color on outside white with purple top, while the inside is pale yellow. Has the same flavor and richness of ordinary Ruta Baga without the strong flavor. In fact it bears the same relation to the Turnip as the Cauliflower to the Cabbage. . . . .

Cow Horn, or Long White. Pure white, except a little shade of green at the top carrot-like in form, growing nearly half out of the ground and slightly crooked. Delicate and well flavored, of very rapid growth and has obtained considerable favor for fall and early winter use, . . . . .

Extra Early White Milan, . . . . .	10	75
Purple Top, strap leaf, flat white, . . . . .	10	60
Mammoth Purple Top White Globe, . . . . .	10	60
Golden Ball or Orange Jelly, . . . . .	10	60
White Norfolk, large, fine summer, globe shape . . . . .	10	60
Early White Stone, very fine, . . . . .	10	60
White Dutch, flat, . . . . .	10	60
Yellow Aberdeen, . . . . .	10	60
White Sweet Waldo or German, . . . . .	10	60
Skirving's Yellow Ruta Baga, purple, top, very large . . . . .	10	60
Laing's Improved Swede, white, . . . . .	10	60
Carter's Improved Swede, yellow, . . . . .	10	60

10 \$ 60



RUTA BAGA AMERICAN PURPLE TOP TURNIP.

**SWEET HERBS.**

Anise, seeds aromatic, . . . . .	5c
Balm, has medicinal qualities, . . . . .	5c
Basil, sweet, . . . . .	5c
Borage, leaves used for salad, . . . . .	5c
Caraway, seeds aromatic, . . . . .	5c
Chives, . . . . .	5c
Coriander, seeds aromatic, . . . . .	5c
Dill, seeds aromatic and medicinal, . . . . .	5c
Fennel Sweet, seeds aromatic, . . . . .	5c
Horehound, . . . . .	5c
Lavender, leaves aromatic, . . . . .	5c

**SWEET HERBS.**

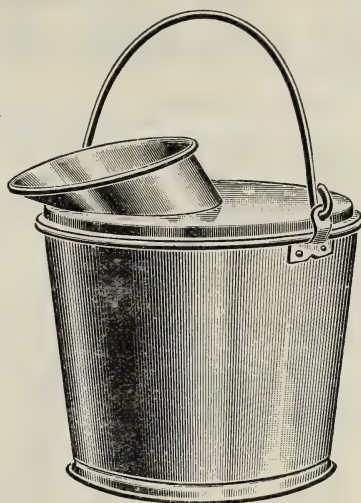
Marjoram, leaves used in seasoning, . . . . .	5c
Mint (peppermint), . . . . .	5c
Rosemary, aromatic, . . . . .	5c
Rue, medicinal qualities, . . . . .	5c
Saffron, medicinal qualities; also dyeing, . . . . .	5c
Sorrel, . . . . .	5c
Sage, culinary herb, . . . . .	\$1.40 lb
Savory Summer, culinary herb, . . . . .	5c
Tarragon or Estragon (roots), . . . . .	5c
Thyme, culinary herb, . . . . .	5c
Wormwood, medicinal qualities, . . . . .	5c

## KEY TO TOOLS ON FOLLOWING PAGE .

No.	Price.
1 Solid Shank Hoe.....	\$ 30
2 Notched Scuffle Hoe.....	1 00
3 Narrow Hoe and Rake.....	50
4 Socket Common Hoe.....	30
5 Trowel Shape Weeding Hoe.....	75
6 Onion Hoe, "double end,".....	50
7 Hoe and Rake, several sizes.....	25
8 Potato Hook, several sizes.....	40
9 Secor Weeding Hook.....	10
10 Large Plantation Hoe.....	50
11 Thistle Spud.....	50
12 Thistle Spud for Lawns.....	50 to 75
13 Pruning Shears, all kinds.....	50 to 1 50
14 Hedge Shears, several sizes.....	1 00 to 1 75
15 Sheep and Grass Shears.....	50 to 1 50
16 Border Shears with roller, or without.....	2 50 to 4 00
17 Spud for Pulling Vegetables.....	1 00
18 Dutch Hoe.....	1 00
19 Patent English Scuffle Hoe.....	35 to 50
20 Onion and Celery Plow.....	2 50
21 Tack Claw.....	15 to 25
22 Pruning and Wood Saws.....	90 to 1 00
23 Mattock, several sizes.....	50 to 75
24 Transplanting Forks.....	10 to 1 00
25 Wire Leaf Rake.....	60
26 Narrow Mattock.....	75
27 Tree Pruners, several styles.....	1 00 to 3 50
28 Steel Trowels, all grades.....	10 to 60
29 Flower Gatherer.....	50 to 1 00
30 Lang's Patent Weeder.....	25
31 Trellis, all sizes.....	15 to 2 00
32 Double End Pruning Saw.....	90
33 Bill Hook.....	1 00 to 1 50
34 Garden Line and Reel.....	1 00 to 1 50
35 Grape and other Scissors.....	25 to 1 00
36 English Lawn Rake.....	75 to 1 25
37 Whittling and Pruning..... Knives.....	50 to 1 25
38-39-40 English Pruning..... Knives.....	50 to 1 00
41-42 Budding and Grafting..... Knives.....	50 to 1 25
43 Grafting Chisel.....	75
44 English Pruning Hook..... Knife.....	1 00
45 Dibber for transplanting.....	30
46 Border Knives.....	60 to 1 25
47 Floral Sets of four pieces.....	50 to 75
49 Warren Hoe very practical.....	75
50 English and American..... Grass Hooks.....	25 to 55
51 Steel and Malleable Garden..... Rakes.....	25 to 60
52 English Lawn and Grass..... Scythe.....	1 50
53 English and American..... Spades.....	50 to 1 50
54 Latest Pattern Steel Garden..... Rakes.....	25 to 60
55 All styles of Shovels; large..... and small.....	50 to 75
56 Asparagus, Dock and Weed..... Digger.....	50
57 Weeders.....	50
58 Waters' Tree Pruner.....	1 00 to 1 50
59 Steel Trowels.....	10 to 50

No.	Price.
60 Cleves' Angle Trowel.....	15 to 35
61 Watering Pot.....	25 to 75
62 Watering Pot.....	1 00
63-64-65-66 Weeders.....	15 to 30
67-68-69-70-71-72 Thermometers.....	20 to 1 50
73 Pruning Saws.....	75
75-76-77-78-79 Brass Syringes.....	2 00 to 5 50
80 Double Leaf Rake.....	65

## SANITARY MILK PAIL.



## BOSTWICK'S PATENT.

The most practical Sanitary Milk Pail on the market.

Prevents 90 per cent. of the dirt that would naturally fall into an open pail from coming in contact with the milk, and the small amount of dirt that falls in the receiving funnel is caught in the lower part of the receivable cup which contains the strainer, thus preventing any dirt from passing into the pail.

It is easy to milk into, will not spatter, is easy to clean.

The pail and cover are made of the best quality charcoal tin, and all seams are soldered smooth on the outside and inside. It is strictly sanitary in every sense of the word.

**\$1.50** each. Special price in dozen lots.

## STEEL TRAY BARROW.



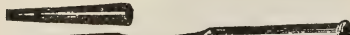
The framework of this barrow is bolted together, and is fitted with a steel tray and patent wood wheel with iron hub, specially adapted for heavy work.

PANAMA \$3 50. Deep Steel Tray, No. 1, \$4.50





### SEED AND GRAIN TRYERS.

	Large Taper Tryer, Steel Point, Nickled,	Price, \$1.25
	Brass,	1.96
	Small Straight,	.75

A LIBERAL DISCOUNT TO THE TRADE

Note Our List of Poultry Supplies on Last Page.

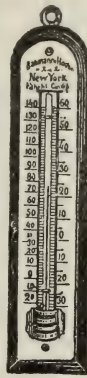
Buy Your Whips, Cutlery and Hardware of Us.



PRUNING SAWS.



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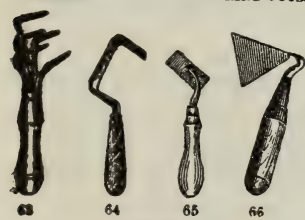
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WATERING POTS.

TROWELS.



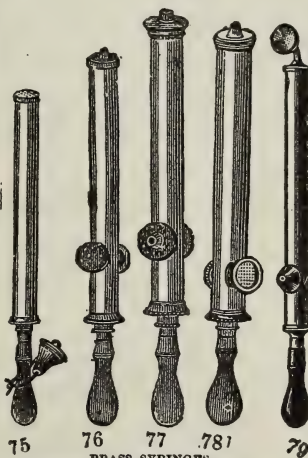
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WEEDERS.



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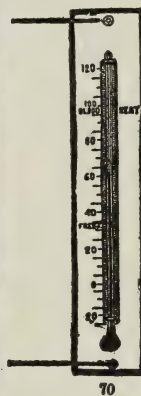
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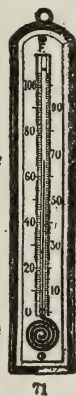
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BRASS SYRINGES.



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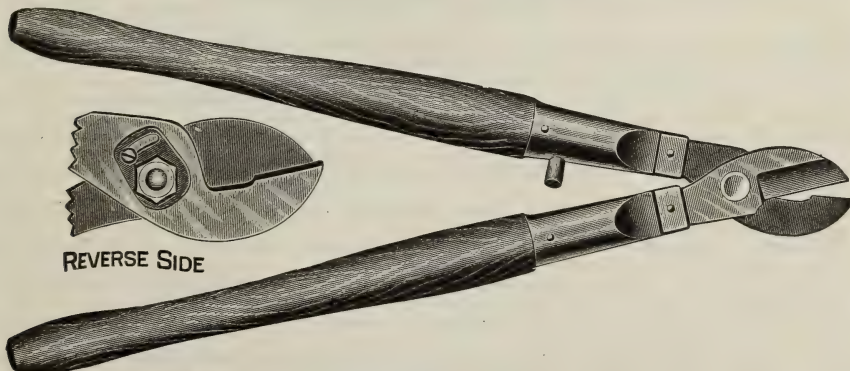
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SELF-CLEANING LAWN RAKE.

80

## CRONK'S WOOD HANDLE PRUNING SHEARS.



REVERSE SIDE

This Tree or Hedge Pruner, being made with notched hook, will work easier than any other pruner of this style on the market. The blades are made of best tool steel. The blades of No. 12 are made from fine cutlery steel; extra heavy and extra long. Has seamless steel ferules securely fastened to handles, and riveted to blades to prevent coming loose.

Price

\$1.25



# SELECT FLOWER SEEDS.

- Abobra** (Gourds) Beautiful variety of climbing gourd with elegant foliage. 5c pkt.
- Abronia** (Sand Verbena) Trailing, annual, sweet-scented clusters like verbena, lasting in bloom a long time; for rock-work or hanging-baskets. Height 12 inches. 5c pkt.
- Abutilon** (Chinese bell-flower or flowering maple) Free flowering, perennial shrub; fine for indoors. For outdoor sow before April. Will bloom first season. 10c pkt.
- Acacia** Half hardy shrub having ornamental foliage, beautiful shades of yellow, globular flowers. Soak seed in warm water before sowing. Height 6 to 10 ft. Mixed 10c pkt.
- Aconitum** (Monk's hood or Wolfs bane) Hardy, perennial, long spikes of odd shape blue and white flowers, adapted to shady corners or among shrubbery; 3 to 5 ft. 5c pkt.
- Acroclinium** Pretty, annual everlasting, 15 inches high, lovely white or rosy pink flowers, fine for border. Sgl. or dbl. 5c pkt.
- Adlumia** Hardy white perennial, 2ft. high, pure white double flowers, bloom from spring until frost, fine for cemetery decoration. Flowers first season if sown early.
- Adlumia** (Mountain fringe or Allegheny Vine) A hardy biennial climber, will resow itself year after year, feathery foliage resembling Maiden-hair Fern, flowers tube-shaped, flesh colored completely covering the plant, fine for trellises, stumps, etc. 10c pkt.
- Adonis** (Pheasant's eye) Flos Adonis, Showy, hardy, annual, of easy culture, fine cut foliage, blooms a long time; dark crimson flower with light center. Height 1 ft. 5c pkt.
- Ageratum** (Floss Flower) Fine bedding sort, literally a sheet of bloom from early summer until frost; not liable to be spoiled by rain, flowers not liable to fade; easily raised from seed. Sow in March or in hot-bed and transfer into open ground in June when weather is suitable; valuable for winter flowering for conservatory. 5c pkt.
- Blue Perfection** Dark blue, largest flowering, fine bedder. 10c pkt.
- Cope's Pet** Azure blue, fine light blue sort for edging. 10c pkt.
- Dwarf Princess Pauline** Beautiful, compact, sky blue, white center, very exquisite 10c pkt.
- Mexicanum** Lavender blue, 1 1/2 ft. 5c pkt.
- Imperial Dwarf White** Height 8 inches. 5c pkt.
- Agrostemma** (Rose of Heaven) Free blooming, hardy, perennial, blooming first season, height 1 to 2 ft. Mixed 5c pkt.
- Alyssum** (Mad-wort) Pretty little plants for beds, vases, baskets, edging, etc. Bloom profusely all summer, also useful for winter. Very sweet-scented.
- Little Gem** (or Carpet of Snow) 4 to 6 inches in height, each plant covering a circle of 15 to 30 inches. 5c pkt.
- Sweet Alyssum** Trailing flowers, white. 5c pkt.
- Tom Thumb** Compact, dwarf, fine for edging, white. 5c pkt. 30c oz.
- Saxatile Compactum** (Basket of Gold,) handsome yellow flowers, hardy perennial, blooming first season, fine for rock work, 1 ft. 5c pkt. 30c oz.
- Amaranthus** Brilliant foliaged annuals, 3 to 5 ft. Useful in borders or centers of large beds. Do not plant too closely.
- Brilliant** Foliage bright red, ends of branches carmine-rose, red and yellow. 10c pkt.
- Caudatus** (Love lies Bleeding) Blood red, drooping foliage, 3 ft. 5c pkt.
- Salicifolius** (Fountain Plant) Pyramidal, drooping habit. 5c pkt.
- Sunrise** Bronzy crimson to brilliant scarlet. Fine for parks and large beds, 3ft. 10c pkt.
- Sulphurine** Leaves dark green, bright sulphur yellow. 10c pkt.
- Tricolor** (Joseph's Coat) Leaves red, yellow and green, 3 ft. 5c pkt. 30c oz.
- Ammobium** (Winged Everlasting) Grandiflorum, Pretty Border, annual ever-lasting, flower white with yellow disc. 5c pkt.
- Ampelopsis** (Boston or Japanese Ivy) Hardy, perennial climber, olive green leaves turning to scarlet in fall. Popular climber, fine for brick or stone walls. 10c pkt.
- Anemone** (Windflower) Hardy, perennial, large flowers, fine for bouquets. Mixed colors 10c pkt.
- Antirrhinum** (Snap Dragon) White, yellow, scarlet, each 10c pkt. mixed colors. 10c pkt.
- Aquilegia** (Columbine) Charming, hardy, perennial, 1 to 3 ft., profuse bloomer, blue, white, rose, yellow, purple, striped, etc. Fine for borders. Sgl. mixed 5c pkt. Dbl. mixed 5c pkt.
- Arabis** (Rock Cress) Alpina very early, pure white, spring flower, appear as soon as snow disappears. Fine for rockeries or edging. 6 inches high. 10c pkt.
- Arctotis** Grandis, Beautiful new annual, 2 to 3 ft. high, large strong pure white flower embellished with yellow center, of the easiest culture. 10c pkt.
- Aristolochia Sipho** (Dutchman's Pipe) A quick growing climber with large heart shaped leaves. 5c pkt.
- Armeria** (Sea pink or cushion pink) Very pretty edging plant, bearing large tufts with rosy pink flowers, hardy perennial. 10c pkt.
- Asparagus** Plumosus Nanus Graceful climber, finer than most delicate ferns. Will last for weeks after being cut, easily cultivated. 25c pkt.
- Sprengeri** One of the best for hanging baskets or general purposes, fronds 4 ft. long. 10c pkt.
- Verticillatus** Graceful, hardy perennial climber, scarlet berries. 10c pkt.
- Asperula Odorata** (Sweet Woodruff) Fragrant leaves and stems, grown in shaded places, white flowers. 5c pkt.
- Asters** are now one of the most important summer and autumn flowers. Their immense popularity and world-wide demand shows their adaptability to any soil or climate, there being early medium and late flowering sort which extends the blooming period from early July until frost. For the best results the ground should be very rich. Good results can be obtained from ordinary garden soil.
- Branching Varieties** 1 1/2 ft. high., very double, beautifully incurved. Crimson 10c, blue 10c, pink 10c, white 10c, rose 10c, mixed 10c.

**Asters** (Continued).

- Branching Paeony Flowered** In vigor of growth, size of bloom and other qualities this type is unequalled. Height about 18 inches, free branching habit with long stems. Crimson 10c, blue 10c, white 10c, mixed 10c.
- Comet** Beautiful with long curled petals resembling the Japanese Chrysanthemum, height 15 inches. Carmine 10c, pink 10c, blue 10c, mixed 10c.
- Giant Comet** Similar to the above but of stronger growth, 18 to 24 inches high. Pure white 10c, white and rose 10c.
- Giant Branching Comet** Very strong growth, 18 inches high, branching habit, flowers of large size on long stems. 10c pkt.
- Queen of the Market** The earliest flowering Aster, blooms three weeks in advance of the general run, flowers good size on long stems. Fine for cutting. Crimson 10c, pink 10c, purple 10c, white 10c, mixed 10c.
- Victoria** Magnificent bedding or cutting variety, flowers large beautifully imbricated, 1 1-2 ft high. Scarlet 10c, purple 10c, blue 10c, pink 10c, white 10c.
- China Mixed** Very fine, all colors 5c.
- Quilled Aster** Double or quilled petals, fine for bouquets. 2 ft. 5c pkt.
- Crown or Cocardeau** Very showy, double white center, mixed colors, 11-2 ft. high 10c pkt.
- Daybreak** Grand variety of symmetrical growth and habit. 18 inches high, globe shaped, double, delicate, pink tint. 15c pkt.
- Dwarf Chrysanthemum** Large flowering, dwarf, double, excellent for plants and pots. Mixed 10c pkt.
- Fire-Ball** Magnificent, double, brilliant, deep scarlet 10c.
- Japanese or Tassel** Entirely distinct, new pyramidal shape, 18 inches high, long stems, flowers five inches across, wavy twisted, needle shaped petals, very graceful. Mixed 10c pkt.
- Ostrich Feather** Magnificent, resembling the Comet, flowers of immense size of loosely formed petals, equaling the best Japanese Chrysanthemums. White or pink 15c each.
- Rose flowered** Large double, pyramidal, height 2 ft. Mixed colors 10c.
- Snow Ball** A beautiful distinct sort, short petals, pure white 10c.
- Washington** Splendid, very large, double, diameter 6 inches. White 15c.
- Perennial** Single, hardy. Does well in any garden soil. If sown early will flower in early season. 10c pkt.
- Bachelor's Buttons** (See Globe Amaranth).
- Balloon Vine** (Love-in-a-Puff) Rapid growing annual climber, white flowers, seed vessels look like miniature balloons. 5c pkt.
- Balsams** (Lady Slipper) Double, camellia flowered type, and old favorite, gorgeous brilliant colored, double flowers in great profusion, easily cultivated, 2 ft. high.
- Prince Bismarck** Salmon, pink, double. 10c pkt. Scarlet, yellow, violet and mixed each 5c. White 10c.
- Baptisia** (False Indigo) Beautiful, hardy, perennial, pea-shaped flowers on spikes 6 inches long, bright blue 2 1-2 ft. 5c pkt.
- Bartonia** Showy yellow flowers, very brilliant, cannot be transplanted. 5c pkt.
- Begonias** Fine bedding variety, equal to geraniums, sturdy growth, 1 ft. high, forming dense bushes completely covered with flowers from May until frost. Unequalled as pot-plants for winter flowering and will remain in bloom the entire year. Easily raised from seed. Double mixed 25c, single mixed 15c.
- Tuberous Rooted Begonias** Plants of great value for summer decoration or window gardening, bloom first season from seed if sown in February, transplanted as soon as weather permits, produce flowers the entire summer. Double mixed 25c, single mixed 25c.
- Ornamental Leaved Begonias** Beautiful, variegated foliage. Mixed 25c.
- Bellis** Double Daisy, very handsome spring-flowering plant. 5 pkt.
- Brachycome** (or Swan River Daisy) Dwarf, annual, profuse bloomer, pretty blue or white flowers. 5c pkt.
- Calceolaria** (Lady's Slipper) Ornamental plant with mass of beautiful pocket-like flowers, blooms early and very fine for decorating green-house or conservatory.
- Hybrida Grandiflora**, 20 inches high. Mixed, 25c.
- Tigrina** Large tiger spotted brilliant colors 25c.
- Calandula** (Pot Marigold) Very showy, free-flowering until frost, hardy annual, grows in any good soil, fine for beds or mixed borders, fine for pot culture, height 1 ft.
- Meteor** Large double yellow, striped with orange 5c.
- Orange King** Large double orange red flowers 5c.
- Pure Gold** Fine Golden Yellow 5c.
- Mixed per pkt. 5c.
- Pluvialis** (Cape Marigold) White daisy-like flowers, under side of petals lilac, 5c.
- Calliopsis** (See Coreopsis) Showy, free-flowering annual, blooms all summer, fine for cutting and massing. 5c pkt.
- Coronata** Large yellow, fine for bedding 5c.
- Golden Wave** (Drummondii) Large golden yellow with brown center, fine for borders. 5c.
- Tinctoria** Golden with garnet eye 5c.
- Nigra Speciosa** Crimson 5c.
- Campanula** (Bellflower) Favorite, hardy herbaceous with great profusion of bell flowers, thrives in light rich soil.
- Carpatia** Blue and white mixed, bloom the whole season, 6 inches 5c.
- Persicifolia Grandiflora** Fine hardy bell flowers 2 to 3 ft. blue or white. Mixed 10c.
- Canary-Bird Vine** (Tropæolum Canariense) Handsome annual, rapid climber, charming little canary-colored blossoms bearing a fancied resemblance to a bird with wings half expanded 5c.
- Candytuft** (Iberis) A great favorite, fine for cutting, looks best in beds or masses. Sow in spring, will bloom until frost, very hardy, easily cultivated. Single plants look well and bloom profusely, 1 ft.
- Carmine** 5c.
- White** 5c.



**Candytuft (Continued)****Crimson** 5c.**Empress A** complete mass of pure white flowers 10c.**White Rocket** 5c.**Lavender** 5c.**Mixed colors** 5c.**Perennial mixed** 10c.

**Canna** (Indian Shot) Without exception one of the handsomest bedding plants. Soak the seeds in warm water until they show evidence of swelling. When the second leaf is out pot singly and keep under glass until proper season for planting out. Mixed colors 10c.

**Canterbury Bell** (*Campanula Media*) Sgl. mixed 5c. Dbl. mixed 5c.

**Cup and Saucer** (*Calycanthema*) Fine white, blue and rose, resembling cup and saucer. 5c.

**Carnation** (See *Dianthus*) Great favorite for their delicious fragrance and richness of color, indispensable for winter or summer culture. Dbl. mixed, 10c.

**Marguerite Carnations** Very popular, as they begin flowering a few weeks from time of sowing, half-dwarf, strong, requiring no support, produce long, strong stems, abundant large double, beautifully fringed, highly-scented flowers.

**Mixed colors** 10c.

**Castor Oil Bean** (See *Ricinus*).

**Celosia or Cristata** or Cockscomb Varieties Free-blooming annuals, plant in light soil not too rich, grand for border and fine for pots.

**Empress** Combs of Colossal size, known to measure 45 inches from tip to tip; rich crimson 10c

**Glasgow Prize** Dark Crimson 10c.

**Dwarf** 8 inches high, sometimes measure 2 ft. across 10c.

**Mixed Dwarf** 5c.

**Centaurea** Under this name is included the popular annuals like Corn Flower, Blue Bottle, Ragged Sailor, Sweet Sultans, etc. Great favorites, fine for cut flowers; white-leaved sorts, or 'Dusty Millers are largely used for bedding, vases, etc.

**Sweet Sultans** (*Centaurea Imperialis*) Beautiful, sweet-scented, strong stems, when cut will stand for several days in good condition of easy culture. Mixed colors 10c. Named colors 10c.

**Giant Sweet Sultans** (*Centaurea Oderata*) or Giant Cornflowers, easy to cultivate, flowers 2 to 4 inches in diameter, very graceful, sweet-scented.

**Chameleon** Pale yellow turning to a beautiful rose 10c.

**Oderata** Reddish lavender, very fragrant 10c.

**Margaritæ** White 10c.

**Cheiranthus** (See Wall Flower) Mixed 5c pkt.

**Chrysanthemums** Annual sorts, showy, effective garden favorites. Dbl. mixed 10c pkt. sgl. mixed 10c pkt.

**Cineraria** Seed may be sown from May to September in succession. Where only one sowing is made July should be preferred. Cinerarias grow so freely that the seedling may go straight from seed-pans to thumb-pots. For transplanting, plant in a cold frame facing north, if possible. When pots become full of roots shift into larger ones until the flowering size is reached.

**Dwarf Mixed** 25c per pkt.**Tall Mixed** 25c per pkt.**Double Flowering** 25c per pkt.

**Stellata** (Star Cineraria) A charming variety with large spreading panicles of starry flowers. Same colors as the common Cineraria. The grace and elegance of the plant and flowers make them very effective for house or conservatory decoration; especially fine for church decoration and very useful for cutting. 35c.

**Cineraria** (White Leaved Sorts)

**Dusty Miller** Fine for bedding and margins, valued for their beautiful, downy, silvery foliage, half hardy perennial; 2 ft.

**Maritima Candidissima** Silvery foliage 5c pkt.

**Acanthifolia** Silvery foliage 10c pkt.

**Clematis** Rapid-growing climber, fine for arbors and verandas. Seeds are slow to germinate, and should be soaked in warm water 24 hours; hardy perennial mixed colors. 10c pkt.

**Clianthus** (Australian Glory Pea) Beautiful, tender, perennial shrub with clusters of brilliant pea-shaped flowers, 3 inches in length, with large black blotch for center. 10c pkt.

**Cobæa** (Cups and Saucers Vine) A rapid climber, fine for trellises, arbors, etc., clings to any rough surface. Place seeds in the ground edgewise and cover with light soil.

**Purple** 10c pkt, pure white, 10c pkt.

**Coccinea Indica** (Scarlet-fruited Ivy-leaved Climber) Handsome, annual, gourd species with beautiful glossy ivy-like leaves, contrasting with the fine snow white bell-shaped flowers and bright carmine fruit. 10c pkt.

**Coleus** (Flame Nettle) An attractive foliage plant for house or garden, very interesting to grow from seed, easily raised; sow in March or April. 10c pkt.

**Convolvulus** (Morning glory) Climbing varieties, very popular and one of the most free-flowering, rapid-growing plants in cultivation; doing well in almost any situation, with beautiful brilliant flowers; annuals, 15 ft. Mixed colors 15c oz. 5c pkt. Dwarf per oz. 15c. 5c pkt.

**Coreopsis** (See *Calliopsis*) A very fine hardy plant with large, showy bright, yellow flowers, produced in great abundance from June until frost, especially fine for cut flowers having long stems and lasting in good condition a week or more. These grow from seed, flowering the first year if sown early. 5c pkt.

**Cosmos** Beautiful autumn-blooming plant, producing thousands of beautiful flowers in pure white, pink and crimson shades; fine for autumn decoration when other flowers are scarce. Sow in spring in open ground when danger of frost is over, or may be started under cover and transplanted. Set about 18 inches apart in rows or in masses in beds. When about a ft. high pinch the tops out to induce a bushy growth., 2 1-2 to 4 ft. in height.

**Crimson**, 5c.**Pink** 5c.**White** 5c.

**Cosmos** (Continued)**Mixed** 5c pkt.**Dwarf** 5c pkt.**Cucurbita** (See Ornamental Gourd)**Cyclamen** Charming plant with richly colored foliage, fragrant flowers. Great favorites for winter or spring. Sow in spring or autumn.**Persicum** Choicest mixed. 15c pkt.**Pure white, dark red, rose** each 25c pkt.**Cyperus** (Umbrella Plant)**Alterdifolius** Excellent for growing in water or damp places. Very ornamental house plant. 10c.**Cypress Vine** (Ipomaea Quamoclit) A favorite summer climbing annual, with feathery foliage and star-shaped flowers borne in clusters.**White** 5c pkt.**Scarlet** 5c pkt.**Rose** 5c pkt.**Mixed colors** 5c pkt.**Dahlia** One of the best late summer and autumn flowering sorts, very popular. The double sorts will bloom first season if sown early. Single will bloom first season if sown in the open ground. Many prefer the single sorts to Cosmos, having the larger variety of colors and longer season of bloom.**Double, finest mixed** 10c.**Single, finest mixed** 10c.**Single Tom Thumb, dwarf, 1 ft.** 10c.**Datura** (Trumpet Flower) Ornamental annuals, large showy flowers; 2 to 3 ft. Dbl. and sgl 10c pkt.**Delphinium** (Perennial Larkspur) One of the handsomest hardy perennials, splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable.**Zalil** (Hardy Yellow Larkspur) Produces very long spikes of 40 to 50 sulphur yellow blossoms, each 1 inch in diameter; flowers from June to August, plant thrifty and bushy; 3 to 4 ft. 10c pkt.**Formosum** Popular for groups, tall spikes of dark blue flowers with white eyes; 2 to 3 ft. 5c pkt.**Nudicaule** Large scarlet flower; 1 1-2 ft. 10c pkt. Mixed finest single 5c pkt. mixed 10c pkt.**Dianthus or Pinks** A magnificent sort embracing some of the most popular flowers in cultivation, of great variety and brilliancy with profusion of bloom. The sorts classed as annuals may be sown out-of-doors when danger of frost is past. In a few weeks time they are a mass of bloom continuing until frost; 1 ft.**Double Annuals****Chinensis Fl. Pl.** (China or Indian Pink). Mixed colors 10c.**Heddewigi Fl. Pl.** (Japan Pink) Double mixed 10c.**Snowball** Double white, fringed, very fine 5c pkt.**Imperial Fl. Pl.** (Double Imperial Pink) Mixed 10c.**Salmon King** A double flowering variety, finely fringed flowers of a brilliant salmon color 10c. changing as they fade to a salmon-rose; charming for beds or borders. 10c pkt.**Single Annuals** All single sorts have large flowers 2 to 4 inches in diameter, fine for beds or borders; 1 ft. high.**Heddewigi Nobilis** (Royal Pink) Beautifully fringed, colors run from white to dark red 10c.**Heddewigi** (Japan Pink) 10c.**Laciniatus Fl. Pl.** (Double Fringed Pink) Large, double, showy flowers, with fringed

edges and beautifully striped; mixed various colors. 5c.

**Hardy Garden Pinks** The varieties are well adapted for beds and borders; delightful, re-

freshing, spicy odor, should be in every garden where cut flowers are wanted.

**Semperflorens** (Ever-blooming hardy garden Pinks) Very beautiful, sweet-scented, double semi-double and single in great diversity of colors, mixed colors. 25c.**Dianthus** (See Carnation) Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable for the green-house in winter and the garden in summer. The Marguerite is one of the best for summer flowering.**Fine Double Mixed** The best for garden culture 10c pkt.**Marguerite** These are the most popular of carnations with the amateur, as they begin flowering within a few weeks from the time of sowing. Our strain is of semi-dwarf, robust habit requiring no artificial support, and produces on long strong stems an abundance of large double, beautiful fringed, highly scented flowers. Separate colors 10c. Mixed, all colors, Marguerite Carnation 10c.**Didiscus** Very pretty annual, blooms profusely from July to November, pale lavender blossoms excellent for cutting. 15c pkt.**Digitalis** (Foxglove) Handsome ornamental hardy perennial plant, easily grown, fine for shrubberies; 3 ft. Mixed colors. 10c pkt.**Dolichos** (Hyacinth Bean) Rapid annual climber with large clusters of handsome flowers producing later in place of flowers, pods of a deep purple, very ornamental, mixed colors. 10c pkt.**Dracæna** (Dragon Plant) Fine ornamental leaved plant. Mixed colors. 25c pkt.**Echinocystis** (Wild Cucumber Vine) Quickest growing vine known, fine for covering trellises, fences, etc. 5c pkt.**English Daisy** (Bellis Perennis) A favorite almost hardy perennial blooms from early spring until late in summer, easily raised from seed, 4 inches high. Dbl. mixed, finest quality 10c. Red, white or pink 10c.**Erigeron** (Flea-bane) An attractive, asterlike flower, 1 inch across, purplish-rose with golden center, hardy perennial, blooms first year from May until frost if sown early. 20c pkt.**Eryngium** (Sea Holly) Handsome ornamental, hardy plant 2 to 3 ft. high. Fine for drying for winter bouquets. 15c pkt.**Eschscholtzia** (California Poppy) Fine annual for beds, border or masses, bloom until frost; 1 ft. Sgl. mixed 5c pkt. dbl mixed 5c pkt.



- Euphorbia** Strong, tall-growing annual, attractive foliage. 10c pkt  
**Forget-me-not** (See *Myosotis*) 5c.  
**Four o'clock** or *Mirabilis* 5c.  
**Fox Glove** (See *Digitalis*)  
**Fuchsia** (Lady's Eardrops) Well-known sort of easy culture, for house or garden, mixed colors. 25c pkt.  
**Gaillardia** (Blanket Flower) Splendid showy annual, remarkable for profusion, size and brilliancy of flower, bloom until frost, fine for beds, borders or cutting; 1 1-2 ft. Mixed colors annuals 10c pkt. Mixed colors, perennials, 5c pkt.  
**Geranium** (*Pelargonium*) Double mixed, fine color 30c pkt.  
**Globe Amaranth** (*Gomphrena*) Known as Bachelor's Buttons, fine bedding plant, flowers can be dried and be used in winter bouquets; 2 ft. mixed colors. 10c pkt.  
**Gloxinia** A superb greenhouse sort with magnificent rich colored flowers; do best in equal mixture of peat, loam and sand, mixed colors. 25c pkt.  
**Godetia** An attractive, hardy annual, profuse, showy flowers of varied colors; 1 1-2 ft. Mixed colors. 10c pkt.  
**Gourds Ornamental** (*Cucurbita*) Rapid-growing, annual climbers, ornamental foliage; 12 to 20 ft. Mixed colors. 5c pkt.  
**Grasses, Ornamental** These serve the double purpose of rendering mixed flower-beds or borders attractive in summer and for use in a dried state in winter bouquets, for large beds or groups on lawns, nothing gives a finer effect; largely used in public parks.  
**Arundo Donax** (Great Reed) Hardy perennial. 10c.  
**Briza Maxima** Fine for grass bouquets. 5c.  
**Bromus Brizaeformis** Graceful, drooping perennial. 5c.  
**Coix Lachrymae** (Job's Tears) Broad, cornlike leaves, annual. 5c.  
**Erianthus Ravennae** (Hardy Pampas) Beautiful perennial. 5c.  
**Gynerium Argenteum** (Pampas Grass) Perennial, blooms the second season. 10c.  
**Stipa Pennata** (Feather Grass) Perennial, beautiful white, delicate begins to bloom the second season; 2 ft. 5c.  
**Gypsophila** Pretty, free-flowering plant for rock work, edging, etc. Mixed colors. 5c pkt.  
**Helianthus** (See Sunflower)  
**Helichrysum** (Straw Flower) Fine, everlasting double flowers, fine for display; hardy annuals 2 ft. Mixed colors. 5c.  
**Heliotrope** (Cherry Pie) Half-hardy perennial, flowering the whole season, very fragrant. Can also be trained as a greenhouse climber. Mixed colors. 10c.  
**Hibiscus** (Marshmallow) Showy, perennial plant with large beautiful colored flowers; 1 1-2 ft. Mixed colors. 10c.  
**Hollyhocks** One of the most majestic of hardy plants, so well known that it needs no further description.  
 In separate colors. 10c.  
 Choice single mixed colors. 10c.  
 Choice double mixed. 10c.  
**Honesty** (Moonwort Satin Flower) Hardy biennial, with silvery seed pouches, very attractive. 2 ft. 10c.  
**Humulus** (Japanese Hop) Ornamental, fast-growing climber resembling the common hop. 10c.  
**Impatiens** (Sultans or Zanzibar Balsam) Charming plant for decorating greenhouse or dinner table, producing bright, waxy looking flowers. Mixed colors. 25c.  
**Ipomoea** Climbers of very rapid growth, beautiful, varied flowers; for covering walls, arboreal stumps, etc.  
**Coccinea** (Star Ipomoea) Small scarlet flowers 5c.  
**Bona Nox** (Evening Glory) Violet, large fragrant flowers, expanding in the evening. 5c.  
**Rubra Cœrulea** (Heavenly Blue) Bright sky blue. 10c.  
**Grandiflora** (Moon Flower) Blooms at night and on dull days, pure white flowers, 5 to 6 inches in diameter, rapid climber, 10c.  
**Job's Tears** (*Coix Lachrymae*)  
**Kenilworth Ivy** (See *Linaria*)  
**Kochia Eriophylla** or **Burning Bush** 10c pkt  
**Lady Slipper** (See *Calceolaria*)  
**Lantana** One of the most desirable half-hardy perennials, constantly in bloom, verberna-like heads of orange, white, rose and other colors; 2 to 5 ft. Mixed colors 10c.  
**Imperial Japanese** This variety without question the handsomest of all Morning Glories. Sow in good soil as soon as weather permit, a strong vigorous climber, flowers of gigantic size, remain open most of the day. The colorings are beyond description. Choice mixture 10c.  
**Larkspurs** (See *Delphinium*) One of the best known garden flowers, hardy annuals  
**Dwarf Rocket** 1 ft. Mixed colors 10c. Dbl. mixed 10c.  
**Double Stock Flowered** Tall branching sort; 2 ft. 5c.  
**Lathyrus** (Everlasting or Hardy Sweet Pea) Free-flowering hardy perennial climber continually in bloom. Mixed colors. 5c pkt.  
**Lavender** (*Lavandula Vera*) Well-known, sweet-scented, hardy perennial; 3 ft. 5c pkt.  
**Linaria** (Kenilworth Ivy) Charming small, hardy perennial, trailing plant. 10c pkt.  
**Linum** (Scarlet Flax) A very showy bedding plant, brilliant scarlet, excellent bloomer, hardy perennial; 1 ft. 5c pkt.  
**Lobelia** (Cardinal Flower) Popular flowering plant for pots, hanging baskets, etc. Bloom profusely from June to November, hardy perennial.  
**Crystal Palace** Rich deep blue. 10c pkt.  
**Crimson**, white or blue 10c pkt. Mixed colors 5c pkt.  
**Hardy Perennial Lobelias** (Cardinal Flower) Brilliant scarlet; 3 ft. 10c pkt.  
**Lophospermum** Beautiful climbing plant, trumpet shaped flower, 10 ft. 10c pkt.  
**Lupinus** Ornamental free-flowering annual, various colored, pea-shaped flowers; 2 ft. 5c pkt  
**Lychnis** Handsome hardy perennial, easy culture, fine for beds and borders. Mixed colors 10c  
**Marigold** (See *Tagetes* also *Calendula*, French Varieties) An old favorite, free-flowering.  
**Double Yellow** 10c pkt.

**Marigold** (Continued)**Single Yellow** 10c pkt.**Mixed colors** 5c pkt.**African varieties****Double yellow** 10c pkt.**Large African Tall**, double yellow; 2 ft. 5c pkt.**Signata Pumila** A dwarf, compact, bushy annual marigold with beautiful delicate fern-like leaves, densely covered with flowers of bright yellow striped brown; fine border plant. 5c pkt.**Matricaria** (Feverfew) Free-flowering, blooms until frost, hardy annual; 18 inches. Dbl white 10c pkt.**Claudia** Beautiful, slender-growing climber, half-hardy perennial; 10 ft. Mxd colors 10c**Mesembryanthemum** (Ice Plant) Dwarf trailing plant of great beauty, blooming the whole summer, half-hardy annual; 6 inches. 5c pkt.**Mignonette** (Reseda) A popular favorite, sown in April and again in July, will keep up a succession of bloom until frost; also suitable for pots, very fragrant, (orange) 5c pkt.**Golden Machet** 10c.**Miles** Spiral spike; 8 to 10 inches long, very fragrant. 5c.**Improved red** 5c.**White** Very fragrant. 5c.**Sweet-scented** Old popular variety, small spikes, very fragrant. 5c.**Mimosa** (Sensitive Plant) A curious, interesting annual with pinkish-white flowers, leaves close and droop when touched or shaken. 5c pkt.**Mimulus** (Musk Plant) Very showy, profuse-flowering plant, half-hardy perennial, blooms first year if sown early; 1 ft. 5c pkt.**Tigrinus** (Monkey Flower) Spotted variety. 5c.**Moschatus** (Musk Plant) Fine for hanging baskets, small yellow flowers, fragrant foliage. 5c.**Palustris** The true forget-me-not, beautiful blue flower; 6 inches. 10c.**Viribilis** (See Four o'clock) 5c pkt.**Momordica** Very curious climber, ornamental foliage, fruit golden yellow, opens when ripe, showing the seed and its beautiful carmine interior, fine for rock-work, etc., annual 10 ft. 5c.**Morning Glory** (See Convolvulus)**Musa Ensete** (Abyssinian Banana) A splendid plant for open ground, producing a most striking effect when planted singly or in groups, thrives best in hot seasons, growing very large, 10 to 20 ft, especially when freely supplied with liquid manure. Seeds germinate easily if started in hot bed; tender perennial. 25c.**Musk Plant** (See Mimulus)**Myosotis** (Forget-me-not) A pretty, small, double, aster-like flower, half-hardy perennial, blooms first year if sown early, bright blue; 6 inches. 5c.**Nasturtiums** (Tropaeolum) For ease of culture, duration of bloom, brilliancy of color and general all around purposes nothing excels this popular variety. Plant in moderately good soil well drained, sunny position, quick growing and bloom profusely until hard frost comes. Tall Climbing Sorts. Crimson 5c, lilac 5c, yellow 5c, white 5c, purple 5c, rose 5c, mixed 5c.**Lobb's Climbing Nasturtiums** Scarlet, white, red. 5c each.**Tom Thumb** No collection of flowers should be without Nasturtiums, they grow so freely and afford such a variety of rich bright colors. As a cut flower there is nothing more effective sweet-scented and pleasing in every way.**Tall** Varieties mixed. 10c oz. 5c pkt.**Dwarf** Varieties mixed. 15c oz. 5c pkt.

Our mixture of Nasturtiums is the finest in the country.

**Nasturtium Dwarf** Aurora, very fine 5c pkt,

" " Beauty, yellow and scarlet, 5c pkt.

" " Bronze, 5c pkt.

" " Cardinal (Dark scarlet) 5c pkt.

" " Cloth of Gold (Light foliage) 5c pkt.

" " Crystal Palace dwarf, 5c pkt.

" " Empress of India (Dark leaves) 5c pkt,

" " King of Tom Thumb, 5c pkt.

" " King Theodore, very dark, 5c. pkt.

" " Ruby King, 5c. pkt.

" " Flammulum, Grandiflorum, tall. Scarlet and yellow, extra fine, 5c pkt.

**Nicotiana** (Tobacco Plant) Delightful, sweet-scented, pure white tubular flower, blooming continuously; annual; 2 to 3 ft. 5c pkt.**Nigella** (Love in a Mist, or Devil in the Bush) A compact, free-flowering plant with curious looking flowers and seed-pods; of easy culture; hardy annual; blue and white mixed; 1 ft. 5c pkt.**Ornamental Grasses** (See Grasses)**Pansies** Are so well known that no description is necessary. Sow early and transplant. Our pansies are imported direct from the grower and are equal to the best that are offered.

Fine mixture of leading shades and colors 10c.

Extra choice mixture of best large flowering varieties, 25c.

**Giant Trimardeau Pansies**

Fine mixed 10c.

Cardinal, fine scarlet, very showy 10c.

King of the Blacks 10c.

Golden Yellow 10c

Emperor William 10c.

Light Blue 10c.

Snow Queen 10c

Pure Yellow 10c.

**Violas or Tufted Pansies** While the Pansy Proper is a spring flower, violas flower throughout the entire season. Seeds sown in spring produce flowering plants by June which bloom until frost. Splendid mixed colors, fine varieties. 10c.



**Passiflora** (Passion Flower) Fine climbing plant for garden or greenhouse with a profusion of attractive flowers; mixed. 10c.

**Pentstemon** (Beard-Tongue) One of the most beautiful attractive herbaceous plants; bearing long graceful spikes of rich colored flowers: if sown early and transplanted in May will bloom in July until frost, half-hardy perennial; 2 ft. mixed colors 10c

**Perilla** Foliage a dark purple, annual; 2 ft. 5c pkt.

**Petunia** For outdoor decoration or house culture few plants equal the Petunia. Commence flowering early and continue a mixture of bloom until killed by frost, easily cultivated, requiring a good soil and sunny position.

**Superb** double fringed. 50c.

**Double Large Flowering** fine mixture. 25c.

**Single Varieties**

**Ruffled Giant** Very large, in great variety of colors 25c.

**Fringed Giant**, Very fine. 35c.

**Snowball** Pure white. 10c.

**Striped and Blotched** Small flowering. 5c.

Fine mixed, all colors. 10c.

**Phlox Drummondii** Of all summer flowering annuals this variety is unquestionably one of the most brilliant and satisfactory. Seed may be sown in open ground after danger of frost is past and in a few weeks the beds or borders are all aglow with their brilliant coloring until cut down by the frost. For early flowering they should be started indoors.

**Phlox Drummondii** Mixed colors. 5c pkt.

White 10c, pink 10c, rose 10c, scarlet 10c, red 10c.

**Dwarf Phlox** This strain of dwarf, compact habit, makes a desirable pot plant, also for ribbon lines and massing; 6 inches high.

Scarlet, white, pink, mixed colors 10c.

**Double Phlox** Especially fine for cut flowers, lasting better than the single sorts. Sow in light soils. Mixed colors 10c.

**Star Phlox** (Star of Quedlinburg) Dwarf, pretty star-shaped flower. Mixed colors 10c.

**Hardy Perennial Phlox** All colors, mixed 10c.

**Pinks** (See Dianthus)

**Poppies** An extremely popular brilliant flowering annual. Poppies should be sown where they are to remain, as they will not stand transplanting.

**Single Annual Poppies** Shirley's selected Strain 10c, scarlet 5c, white 5c.

**Plume Poppy** 14 inches high, producing many large tulip-shaped scarlet flowers 10c Single mixed 5c.

**Oriental Poppy** Perennial, exceedingly showy, scarlet with black centre. 10c pkt.

**Double Annual Poppies** Mixed colors 5c.

**Pæony Flowered** Large showy, double mixed colors 5c.

**Portulaca** (Sun Plant) Fine hardy annual, of easy culture, thrives best in rather rich light sandy loam and sunny situation, flowers of richest colors, blooming throughout the summer in great profusion, fine for beds, edging or rockwork; 6 inches. Sgl. mixed 5c. Dbl. mixed 10c.

**Primula** Charming beautiful Chinese Fringed Primrose, fine for winter or spring decorations. One of the most important winter-blooming pot plants, sow from March to May. White 50c pkt. scarlet 50c pkt. pink 50c pkt. crimson yellow eye 25c pkt. mixed colors 25c pkt. Double white 50c pkt. Double mixed 50c pkt.

**Primula** (Obconica Grandiflora) On single white, slight tinge of lilac. Everblooming. 10c pkt

**Pyrethrum** Handsome herbaceous plants of easy culture so much used for bedding edging etc.

**Aureum** (Golden Feather) Bright yellow foliage, 10c.

Double mixed 25c, single mixed 10c.

**Reseda** (See Mignonette)

**Rhodanthé** (Swan River Everlasting) A charming annual; does well in a light rich soil and warm sheltered situation. Fine for pot culture, flowers everlasting. Mixed colors. 5c.

**Ricinus** (Caster Oil Bean) Ornamental plant of stately growth and picturesque flowers, brilliant colored fruit; fine for lawns or center plants for beds, mixed all colors. 5c.

**Philippiensis** 10 ft. 5c.

**Salpiglossis** (Painted Tongue) One of the greatest favorites among annuals. Partly on account of its easy culture, but mostly for its beautiful, almost orchid-like flowers. Mixed sorts 5c pkt.

**Salvia** (Flowering Sage) A favorite bedding plant, bearing long spikes of flowers in great profusion from July until frost, half-hardy perennial, blooms the first year from seed sown indoors and transplanted when weather permits.

**Splendens** (Scarlet Sage) Beautiful bright scarlet. 10c pkt.

**Patens** (Blue Sage) 5c.

**Scabiosa** (Mourning bride or Sweet Scabious) A very handsome and autumn border plant with great profusion of very double flowers. Splendid for table bouquet; hardy annual; 2 ft. Double mixed. 10c pkt.

**Scarlet Runner Beans** Great favorite of England and continent of Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet blossoms. 5c pkt.

**Schizanthus** (Butterfly or fringe flower) Splendid annual with a profusion of various colored flowers; fine for greenhouse decorations and flower garden, of easy culture. Mixed. 5c pkt

**Smilax** (Myrsiphyllum Asparagoides) In many respects the Smilax is the most useful, and certainly one of the most graceful climbers; for bouquets and floral decorations it is indispensable. Soak seed in warm water for 12 hours and plant in pots. A tender perennial; white; 10 ft. 10c pkt.

**Solanum** (Jerusalem Cherry) Very useful pot plant for winter decoration, dwarf branching habit, leaves small and oval shaped, bearing in great profusion bright scarlet globular berries 1 ft. 10c pkt.

**Snappedragon** (See Antirrhinum)

**Stocks** (Gilliflower) The stock is one of the most popular annuals, either for bedding or pot culture, for brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

**Stocks (Continued)**

**Large Flowering 10—Weeks Stocks** Red 10c, blue 10c, pink 10c, purple 10c white 10c, yellow 10c, mixed colors 10c.

**Cut-and-come-again 10-weeks stock** Splendid perpetual blooming class. Sow March or April. They begin flowering in June, continuing until frost, and are especially valuable from September to October when other flowers are scarce. They throw out numerous side branches, all bearing fine double flowers. Excellent for cutting. White 10c, rose 15c, red 15c, blue 15c. Fine mixed colors. 10c pkt.

**German Stocks** Half-hardy biennial, double flowers; 2 ft. Mixed colors. 10c pkt.

**Sunflower** Remarkable for their stately growth, size and brilliancy, making a very showy effect among shrubbery and for screens. Single sunflowers are indispensable for cutting. Sow in a sunny spot in April or May. They come into bloom early in summer and keep up a constant supply of flowers until cut down by frost. 5c pkt. Single dwarf or miniature sunflower 10c pkt. Giant Sunflower, 8 ft. 5c pkt.

**SWEET PEAS** Ebeling's cream of the named Sweet Peas. This is a select list of giant-flowering varieties. We have discarded all small-flowering sorts and duplicates under different names.

**America** Crimson scarlet, striped on white, large size. 5c pkt. 10c oz.

**Blanche Ferry** Extra early. The popular pink and white. Comes into flower ten days earlier than others. 5c pkt. 10c oz.

**Dainty** Pure white edged with pink on the standards and wings. 5c pkt. 10c oz.

**Dorothy Eckford** The grandest, pure white; very large, producing enormous mass of blooms. 5c pkt. 10c oz.

**Evelyn Byatt** Standard scarlet orange, wings rose orange. 5c pkt. 10c oz.

**Gorgeous** Brilliant orange salmon. 5c pkt. 15c oz.

**King Edward VII** Bright red, giant flowering, very fine, strong stems. 5c pkt. 10c oz.

**Lady Griseld Hamilton** The finest pale lavender. 5c pkt. 10c oz.

**Lottie Eckford** White shaded lilac, white shaded and edged lavender blue. 5c pkt. 10c oz.

**Lovely** Warm rose, pink, large and extra fine. 5c pkt. 10c oz.

**Modesty** White, with tint of pink showing a little deeper on the edges. 5c pkt. 10c oz.

**Navy Blue** Deep indigo blue, medium size. 5c pkt. 10c oz.

**Othello** Deep maroon, very dark maroon, fine form and large size. 5c pkt. 10c oz.

**Prima Donna** Soft pink; a magnificent rich, pure pink; very fine. 5c pkt. 10c oz.

**Prince of Wales** The finest bright rose 5c pkt. 10c oz.

**Emily Eckford** Newly opened. Blossoms are rose purple, which soon change to rose lilac with suggestions of blue. The whole blossom matures into a decided blue. 5c pkt. 10c oz.

**Mrs. Eckford** Light primrose, large size, semi-hooded form, of the best type. 5c pkt. 10c oz.

**Sadie Burpee** Pure white, large size, very fine. 5c pkt. 10c oz.

**Double Flowering Sweet Peas** Finest mixed colors. 5c pkt. 10c oz.

**Sweet Peas Mixed** Price, 5c pkt: 10c oz; 20c 1-4 lb; 60c lb. Our mixture of sweet peas are mixed under our personal supervision and contain all of the very best named sorts known to the trade, and we confidently offer them to most careful and critical buyers. A finer mixture cannot be found.

**Spencer Orchid-Flowered Sweet Peas.** The introduction of this type has created new interest and added to the popularity of Sweet Peas. They are quite distinct from the Standard sorts, having large, round, open flowers, extraordinary size, measuring two inches across, wavy standards, wide spreading wings, a very large percentage bearing four immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All have been thoroughly tested and are just as easy to grow as the standard varieties. 10c pkt. 20c oz.

**Sweet Rocket** (Hesperis) Old-fashioned garden plant, also known as Dame's Rocket and Dame's Violet; 2 to 3 ft. high, with spikes of showy white, lilac and purple fragrant flowers; fine for shrubbery and permanent border; mixed colors. 5c pkt.

**Sweet Sultan** See Centaurea.

**Sweet William** (London Tufts) A well-known attractive free-flowering hardy perennial, fine for beds and shrubbery; 1 1-2 ft. Sgl. mixed 5c. Double mixed 5c pkt.

**Tagetes** (See Marigolds and Calendula)

**Signata Pumila** A dwarf, compact, bushy, annual marigold with beautiful delicate fern-like leaves, densely covered with flowers of bright yellow striped brown; fine border plant 5c pkt.

**Thunbergia** (Black-eyed Susan) Beautiful rapid-growing climber used especially for hanging baskets, low fences, etc., flowers in buff, white orange, etc., with dark eyes; mixed colors 5c pkt.

**Torenia** Fine annual; splendid plant for vases, hanging baskets, borders etc., blooming the entire season. Blue, white, and yellow. 10c pkt.

**Tritoma** (Red Hot Poker Plant) Readily grown from seed. Will bloom first year if sown early. Tritomas are becoming very popular for bedding plants and cut flowers; hardy perennial; 4 ft. Vary in color from light and deep orange, salmon and carmine. 10c pkt.

**Tropaeolum** (See Nasturtium)

**Verbenas** One of the most popular and free-blooming varieties and so well known that a description of this variety is unnecessary. Half-hardy perennial; easy of culture; sow early and transplant when weather permits. Fine for beds, baskets, rockeries, etc. Scarlet 10c, variegated 10c, white 10c, mixed colors 10c.

**Viola** (See Pansies)

**Vinca** (Madagascar Periwinkle or old Maid) Ornamental free-blooming plant, fine for bedding flower from seed the first season continuing until frost, or they may be potted and kept in bloom through the winter, 2 ft. Rose 10c, white 10c, mixed 5c.

**Wall Flower** (See Cheiranthus) Half-hardy perennial, 1 1-2 ft high. Mixed 5c pkt.

**Wild Cucumber** (See Echinocystis.) 5c pkt.

**Wild Flower Garden** 5c pkt.

**Zinnias** (Youth and Old Age) One of the most brilliant and showy of annuals. An old and continued favorite. The seed can be sown early and transplanted or sown later in open ground. They come into bloom early in summer, and continue until hard frost.

Dwarf double white, orange scarlet, rose, etc. 5c. Tall double mixed 5c. Dwarf single mixed 5c.



# U. S. N. MARINE PAINTS FOR HOUSE PAINTING.



**COST MOST PER GALLON TO MAKE BUT—**  
**SENSIBLY CHEAP TO USE**

**U.S.N.**  
**BILLINGS, KING & CO.**

NEW YORK    SOLE MAN'FRS    BOSTON

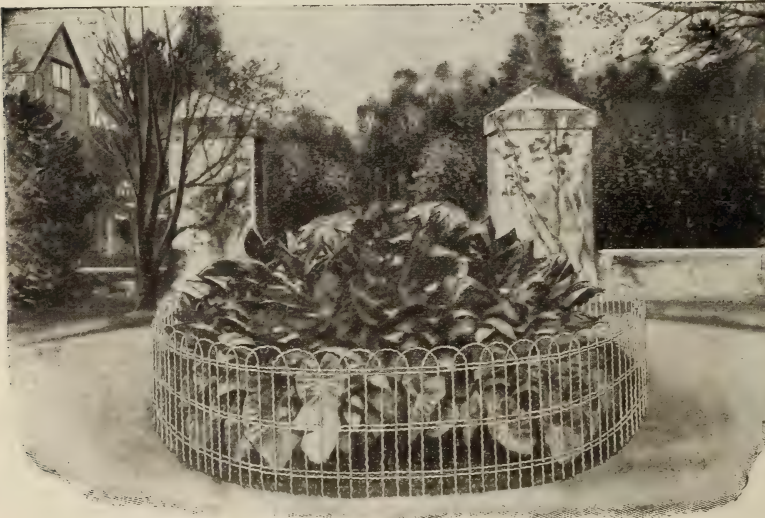
**FOR**  
**STRUCTURES**  
**HOUSES**  
**VESSELS, YACHTS**  
 WITHSTAND MOUNTAIN AND SEA EXPOSURE

**PAINTS**  
**VARNISHES**

**F. H. EBELING, Sole Agent,**  
**217 South Warren St.,**  
**SYRACUSE, N. Y.**



## PEERLESS FLOWER BED GUARD.



Eameled white; same design and construction as lawn fence.

Beautifies and protects beds of choice flowers, plants, etc.

Standard rolls of 150 feet.

Made in two heights.

### LIST.

16 in., foot, 12c

22 in., foot, 15c

Trade discount supplied on application.

**SPRING PLANTS, BULBS AND ROOTS.**

PER DOZ.		PER DOZ.		PER DOZ.	
Cauliflower Plants	25 cts	Root Celery Plants	"	Aster Plants	35 "
Cabbage "	10 "	Sweet Marjoram "	"	Stocks "	35 "
Tomato "	25 "	Sage Plants	"	Petunia "	50 "
Egg Plant "	50 "	Summer Savory	"	Snapdragon "	40 "
Pepper "	25 "	Thyme	"	Beautiful Japanese Fern	
Kohlrabi "	"	Verbena Plants	50 "	Balls each	50 "
		Pansy "	30 "		

**SUMMER HYACINTHS**—White drooping petals, very handsome. Plant in May, and will blossom for about six months.

**CACTUS DAHLIAS**—Strahlen Kron—Intense cardinal red, long, twisted petals and profuse bloom. Earl of Pembroke, rich plum color.

**QUILLED DAHLIAS**—A. D. Lavonia, beautiful clear pink perfect form, one of the best. Purple Gem, flowers perfectly quilled, dark purple.

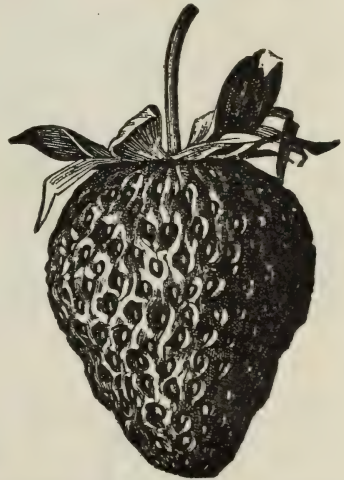
**DECORATIVE DAHLIAS**—Blue Oban, the nearest to a blue dahlia. Marguerite Queen, large flowers of Marguerite color, double, profuse bloomer. Price, 15c each, two for 25c, \$1.25 a doz.

Gladiolas, Dahlias, Tube-Roses, Tuberous Begonias, Maderia Vines, Peonies, Glorinias.

**FLORISTS' SUNDRIES.**

Self Registering Thermometers	Hanging Baskets
Tin Foil	Flower Supports
Green Moss	Plant Stands
Florist Letters	Trellises
Raffia and Reed	Shears
Immortelles	Scissors
Mastics	Fine Cutlery
Plant Labels	Syringes for Plants
Fumigators	Flower Pot Brackets
Bulb Syringes	Sharpening of Shears, etc.
Glazing Points	Lawn Seed and Fertilizers
Flower Pots	Bird Supplies
Hyacinth Glasses	Wire Plant Supports

Silkline, per spool, 30 cts.

**STRAWBERRY PLANTS.**

We are pleased to announce that we can furnish choice thrifty **STRAWBERRY** and **RASPBERRY** Plants of all the leading varieties and recommend them to our customers.

Strawberry Plants 75c per 100; Raspberry Plants \$1.50 per 100. Leave orders early.

**BERRY BASKETS.**

Under the new law all Berry Baskets must be made up to the standard size. We offer Berry Baskets of correct size and shape and well made. Prices right. Our Baskets fit the Crate perfectly. We can save you money on berry baskets if you place orders early. Call and see us before buying.

**\$3.00****\$2.00****\$1.50****FLOWER TUBS \$1.50 TO \$4.00**

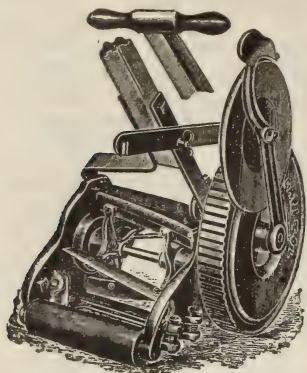
Flower Pots, Hanging Baskets, Fern Pans, Lilly Pans

**TRELLISES, URNS, VASES, SETTEES.**

We offer a fine variety of styles in various sizes suitable for lawns front, yards, cemeteries, parks etc. These can be furnished to order on short notice, at reasonable prices. For full particulars, write or call and see us.



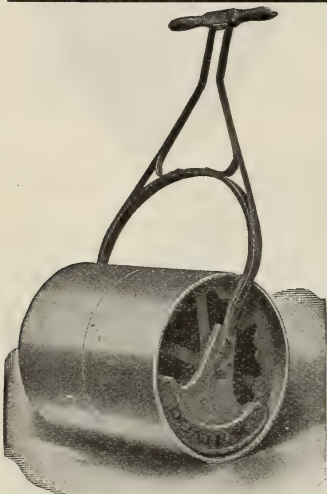


**CAPITAL LAWN TRIMMER**

For trimming around walks, flower beds, trees, posts, monuments and shrubbery, and all places that cannot be reached with any lawn mower. Cuts within one fourth of an inch of the edge.

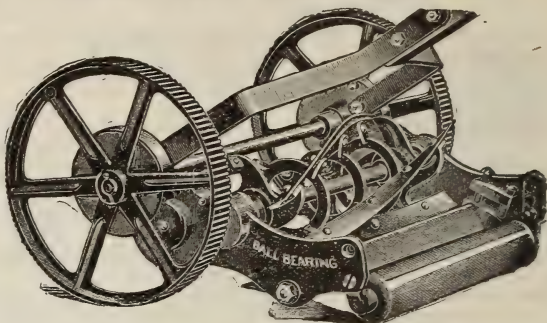
Has a revolving cutter with four crucible steel blades, tempered in oil and cuts six inches wide.

It has an adjustable guide wheel in front opposite the drive wheel, with an adjustable wood roller in the rear to adjust the height of cut and balance the machine, making it run steady. It will cut as high as 11-4 inches, and as close as one-half inch to the ground. Price, \$6 00.

**DUNHAM LAWN ROLLERS,**  
Roller Bearing,

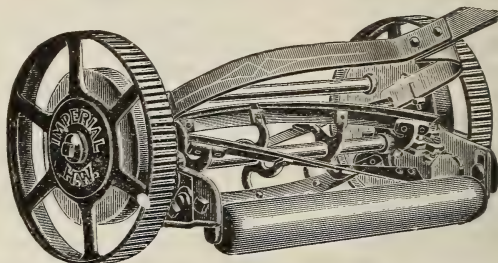
Are infinitely superior to other rollers. They tower above all others in efficiency, being 44 per cent. lighter running than any other roller on the market by actual tests. With a Dunham a boy can do the work that requires a man's strength with other rollers of the same weight.

1200 lbs. \$10.00      250 lbs. \$12.00  
300 lbs. \$18.00.

**FOREST CITY BALL BEARING**

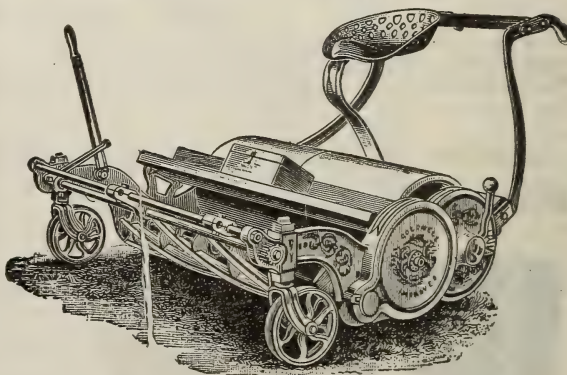
This unquestionably is the Best BALL BEARING MOWER on the market. Perfect in detail, absolutely guaranteed.

15 inch	-	-	\$10.00	19 inch	-	-	\$12.00
17 "	-	-	11.00	21 "	-	-	13.00

**HIGH WHEEL IMPERIAL**

Absolutely Warranted for Two Years. Positive Adjustment Has no Equal. In Public Parks, Private Lawns and Cemeteries everywhere. Ask for Special Catalogue.

16 inch	-	\$ 9.00	20 "	-	12.00
18 "	-	10.00	22 "	-	13.00

**IMPERIAL HORSE LAWN MOWER**

**PRICE, \$55.00 AND UP.**

Absolutely Guaranteed to Cut Clean in turning around. Send for Catalogue.

# MASTICA FOR GLAZING GREENHOUSES, SASHES,

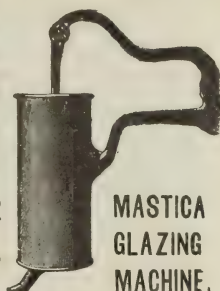
Etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

Every green house man has experienced difficulty in using putty for glazing, that is satisfactory for any length of time. Putty is not adapted for greenhouse work. "Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance, and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of re-laying the glass.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" you can bed in or use outside with machine.

Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet (one side.)

Price of Mastica  $\frac{1}{2}$  gal. 65c., gal. \$1.25. We are Sole Agents for Central New York.



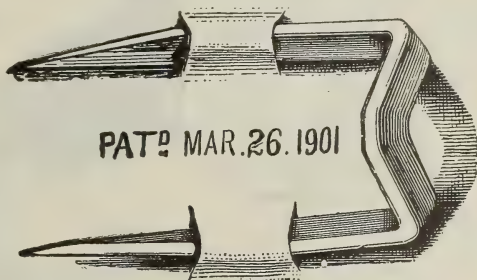
**MASTICA  
GLAZING  
MACHINE.**

**PRICE \$1.25.**

THERE ARE OTHERS  
BUT NONE LIKE

## THE PEERLESS GLAZING POINT

A new name and a  
new point.



PAT. MAR. 26. 1901

A Few of its  
Good Points.

No raising up when driven. No Rights. No Lefts. No Sliding. No Trouble to apply.

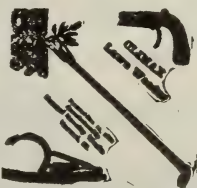
Cheap. Indestructible Once used, always used. Try them once

PRICE 60c per 1000

## GARDEN AND LAWN HOSE.

We carry a full line of 1-2 and 3-4 inch Hose of various grades from 8c to 20c per foot.

HOSE REELS at \$1.25



## CLIMAX HANDY WEEDER!

CUT UP!

PULL UP! PICK UP!

PRICE 75c.

## ANT AND ROACH KILLER.

Put up in a patent "Handy Blower" ready for action. This powder is nonpoisonous to human beings, but fatal to most crawling household pests. By means of the "Handy Blower" (patent applied for) the Destroyer may be made to reach their breeding places.

One-fourth lb. in "Handy Blower," 25c; mail, 10c additional; 5 lb. box, \$1.75 each; 10 lb. box, \$3.25 each.

## STERLINGWORTH WEED KILLER.

Sterlingworth Weed Killer is the most satisfactory and powerful weed killer, compounded especially for use on walks, drives, tennis courts, golf links, etc. It is a dry powder to be dissolved in water. When applied to vegetation it completely destroys all kinds of weeds, grass, (including milk weed and witch grass), briars, ourdock, dandelions, daisies, thistles, poison ivy and other objectionable vegetable growths. One application kills roots, as well as foliage, preventing further growth. It may be applied with an ordinary watering can. One gallon covers three to four square yards.

Full directions on each package.

### Prices:

1 lb. package makes 10 gallons, covers 45 to 60 sq. yds., 50 cents.  
3 lb. package makes 35 gallons, covers 130 to 180 sq. yds., \$1.25.  
5 lb. package makes 75 gallons, covers 300 to 400 sq. yds., \$2.00.





## LOWELL FOUNTAIN COM- PRESSED SPRAYER.

Aluminum Finish.

**BETTER THAN EVER.**

Does not require constant pumping like other sprayers.

One charge is sufficient to expel entire contents of tank.

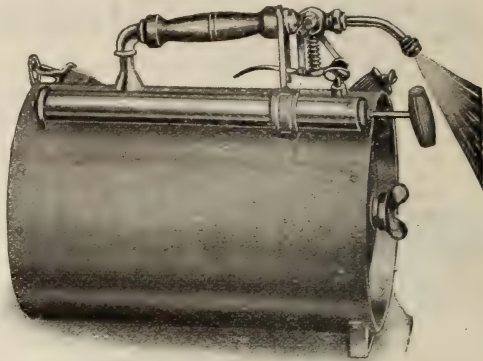
New Automatic Thumb Lever Valve shuts off instantly.

No packing or springs to wear out in the valve.

All working parts made of heavy brass casting.

Strongest Sprayer made. Will stand five times the air pressure necessary to operate.

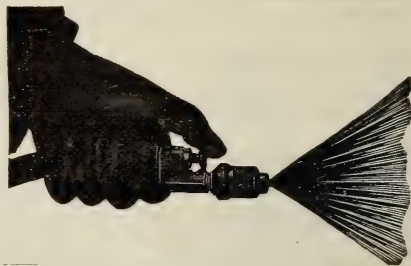
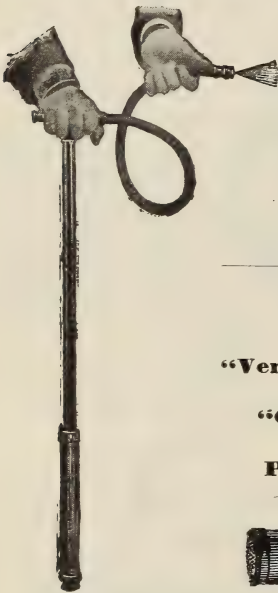
Capacity of tank three gallons. Price \$5.00



## ROCHESTER SPRAY PUMP.

Something entirely new and which completely revolutionizes the old style sprayer. Made entirely of metal with a nozzle that will not clog.

**Price \$2.50**

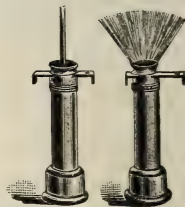


## SPRAYING NOZZLES.

"Vermorel," "Lilly," "Boston,"

"Gem," "Mistry," "Fairy."

**Price, 50 Cents and Upward.**



Junior No. 5.

**SYRINGES---\$1.00, \$2.25, \$3.00, \$4.50**

## INSECTICIDES.

Arsenate of Lead, 1 lb. 25c; 5 lbs. 1.00; 10 lbs. 2.00; 20 lbs. 3.75	Jumbo Powder Gun, .25	Pyrox, 1 lb. 25c; 5 lbs. 1.00; 10 lbs. 1.75; 25 lbs. 4.00; 50 lbs. 7.50
Black Stuff, Tobacco Powder, per lb. .10	Lambert's Death-to-Lice 10, 25, 50, 1.00	Slug Shot, per lb. .06
Black Stuff Tobacco Powder .10	Lime-Sulphur, see page 9.	Sulpho Tobacco Soap. .10 and .20
Bug Death, 15, 35, 50c	London Purple, per lb .40	Tobacco Dust, lb .10
Cooper's Sheep Dip, pkg 50, 2.00	Nico-Fume, Liquid, 1 gal., 10.50;	Tobacco Soap per pkg .25 and .50
Eureka Fumigator, 1.25 1-2 gal., 5.50; pt., 1.50; 1-4 pt., .50	Nico-Fume Tobacco Paper, 288 sheets, 6.50; 144, 3.50; 24, .75	Tobacco Stems, - -
Fir Tree Oil Soap, per pkg .30	Nicotide, per bottle - 2.00	Weedicide, per gal - \$1.50
Fir Tree Oil, 1-2 pint, 75c; pint, 1.00	Paris Green, .30	Whale Oil Soap, . . 10, 15, 25
Hellebore, per lb .20	Persian Insect Powder per lb .50	Whale Oil Soap in bulk, . 6c lb
		Whale Oil Soap and Tobacco 1 lb. 15c; 5 lbs. 60c
		Whale Oil Soap, per pkg 5, 10, 20

**"BUY YOUR HARDWARE, CUTLERY, GLASS and PAINTS OF US."**

**"BORDEAUX" BRASS GARDEN SPRAY PUMP.**

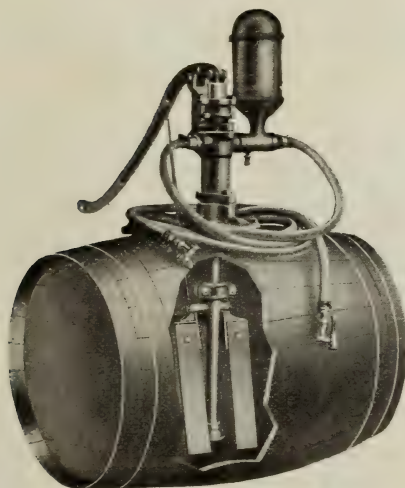
FIGURE 1129.—The "Bordeaux" Brass Garden Spray Pump is designed for spraying in gardens and greenhouses. The sprayer is placed in a pail or bucket with foothold on outside. The brass ball valves are proof against the action of acid and oils. Foot piece is malleable iron. The pump end of discharge hose is attached with brass coupling, adding largely to its durability. Pump has no suction hose, but is set in pail or bucket with foot-rest outside. The "Mistry, Jr." nozzle is furnished. Can be used for spraying whitewash also.

Price—With 3 feet 3-8 inch discharge hose and "Mistry Jr." nozzle,  
**\$5.00.**

**GOULD'S "STANDARD" SPRAYER.**

LARGE CAPACITY, BRASS LINED CYLINDER, BRASS VALVES, LARGE AIR CHAMBER.

Comes with 15 feet Double Hose.



The "Standard" Sprayer is made in two sizes, one with 2 1-2 inch cylinder, the other with a 3 inch cylinder. The cylinder is brass lined, the plunger brass encased and the valves are all brass, making all working parts proof against the spraying mixtures. The plunger is easily repacked without taking the sprayer to pieces, and is unusually large, known as a "differential" plunger, which produces a continuous stream of liquid from the nozzle, similar to the action of a double acting pump. The base is made so as to fit either the end or side of a barrel. The lever is long and powerful, making the labor easy. There are two discharges provided, but when sprayer is ordered without hose or nozzle, we plug one opening and fit the other with brass bushing and half coupling for hose. The price includes a brass strainer for suction pipe, but does not include suction pipe or agitator.

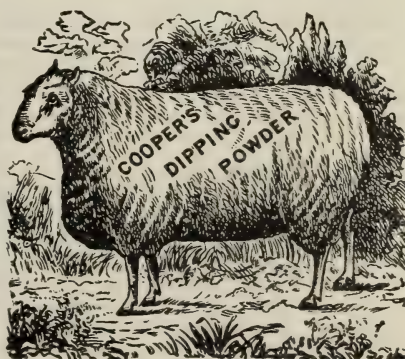
Can be used for spraying whitewash.

**Price \$12.50**

**COOPER'S SHEEP DIPPING POWDERS**

The finest in America, used by all ranchmen in the West, sure cure for scabs and ticks. We could show you a list of testimonials a yard long if necessary, but those we have from firms so well-known among sheepmen will be all that is required to convince you we have the best. Sold at factory price. Small packages will make 25 gallons, large packages 100 gallons, ready for use. An unprecedented demand has set in all over the United States for our celebrated Sheep Dip, consequent upon the favorable verdict of sheepmen who have used it. Other preparations are being relinquished, as "COOPER" is found far superior in every way.

**Price 50c and \$2.00**



**TRUCKS** For moving barrels, bags, ash cans, etc. Can be used also as a bag holder. Saves time of one man when filling bags with grain, etc. Very handy



**SLUG SHOT**—It is a light, composite, im-



palpably fine powder, easily distributed by Duster, Bellows, or in water by spraying. It is thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and is also strongly impregnated with fungicides.

### DISPARINE

The best and only thing for spraying fruit trees--thoroughly tested and tried, fully guaranteed.

2 lb Can	-	\$ 50	25 lb "	-	-	4 25
5 lb "	-	1 00	50 lb "	-	-	8 00
10 lb "	-	1 80	100 lb "	-	-	15 00

### CHAMPION DRY POWDER GUN.



Price

\$7.50

A wonderful invention. Light swift, safe strong and cheap. Dusts the pure green. Kills all the bugs and pests without injuring the vines or foliage. Less green used and better results obtained.

### Sterlingworth Whale Oil Soap and Tobacco.

Sterlingworth Whale Oil Soap and Tobacco is a most effective, reliable, simple and cheap preparation for destroying San Jose Scale, Plant Lice and all sucking insects on trees, shrubs, plants, vines, rose bushes, etc. The efficiency of this Soap is further increased by the addition of tobacco extractive matter and potash. The preparation thus compounded possesses all the virtues of Whale Oil Soap, and, in addition, the valuable insecticide properties of tobacco and potash, making it doubly valuable. Full directions on each package. Price, 1 lb box, 15c.

### Remedy for Cut-Worms on Cabbage and Tomatoes.

Soak bran with Paris green and scatter same in the rows. This will destroy this troublesome pest.

### To Destroy Ants in Hills, Etc.

Inject bi-sulphate of carbon in the hills. This will destroy them promptly.

### SULPHO-TOBACCO SOAP



Quickly exterminates all insect life on plants or flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless insecticide this is unexcelled. It also acts as a valuable fertilizer reviving plant life. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. You cannot afford to be without this popular and

well known Insecticide, if you desire to be successful in plant culture. A trial will give highly gratifying results.

3-oz. Cake, sufficient for 1 1-2 gallons prepared solution, 10c; mailed postpaid 13c.

8-oz. Cake, sufficient for four gallons prepared solution, 20c; mailed postpaid 28c.

With every order we enclose free a booklet "The Window Garden" giving valuable information of Plants, and exterminating of Insects.



Pat. March 16 and Nov 9, 1909.

### BUG DEATH.

This Insecticide and Plant Food combined has been on the market for ten years. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the extra yield of marketable potatoes has more than paid the entire expense. It is non-poisonous, which makes it perfectly safe to use on all plants or vines. **BUG DEATH PREVENTS BLIGHT.**

### Put up in Packages as Follows.

1 pound package,	.	.	.	\$ .15
3	"	"	"	.35
5	"	"	"	.60
12 1-2	"	"	"	1.00
100	"	"	"	7.00
Diekey Bug Death Duster,	.	.	.	.25

### BORDEAUX MIXTURE.

#### Insecticide and Fungicide.

As the name indicates, this article is an Insecticide as well as a Fungicide. It is compounded the same as the Fungicide Dry Bordeaux and in addition to its value as a Fungicide there has been added the necessary poison to make it deadly to all eating insects. It kills slugs, beetles and all leaf eating insects, and prevents blight and rot on potatoes as well as performing many other services. It sticks well to vegetation, one application lasting in some cases the entire season.

Full directions for using accompany each package. In ordering always specify "Insecticide and Fungicide" to distinguish from "Fungicide Dry Bordeaux."

Price—1 lb. box, 30 cents. 5 lb. box, \$1.25.

**"HORICUM"**

TRADE MARK



San Jose Scale on a Pear.

**Kills San Jose Scale****"HORICUM" OLD RELIABLE  
IT STICKS ON**

Trade Mark

This preparation is Lime, Sulphur and Salt, a concentrated Polysulphide of Calcium. Salt adds to adhesive properties, but the destructiveness of Scale Life lies in the Calcium Sulphide. Aside from its ability to destroy San Jose Scale, HORICUM is a Fungicide, preventing the free development of fungoid troubles.

Shake the package thoroughly or take the top off. The color in its concentrated form is a deep bronze green. **DO NOT POUR OFF THE CLEAR LIQUOR ONLY**—stir the HORICUM from the bottom of the package. For a strong dilution when the growth is dormant, use 12 parts of water and spray thoroughly. By grading your dilution you make it any desired strength. There is no magic in killing bugs. We have been on the job 45 years. Barrels of 50 gallons; gallons and quarts for small needs; kits—2, 3, 5 and 10 gallons.

1 Quart, 40c.; 1 Gallon package, \$1; 5 Gallon package, \$5; 10 Gallon package, \$9. Also in Barrels and Half-Barrels.

**French Bordeaux Mixture**

Fine Pulp or Liquid Form

The finest and best article of its kind made in America. Works freely in any spraying machine. To be diluted 25 to 50 times with water and sprayed. See trade mark on every package.

For use on Potatoes, Tomatoes, Grapes, Apples, Pears, Oranges, Roses, etc., add 1 gallon to 24 gallons of water. For Peaches, Plums or Cherries, add 1 gallon to 50 gallons of water.

Gallons, \$1; 5 Gallon pkg., \$5; 10 Gallon pkg., \$9. Discount for quantities of Half-Barrels or Barrels.

**Copper Solution**

Keep in a Cool Place

Prepared for your immediate use in the Greenhouse or on Trees, Vines or Vegetables affected with the Rot, Blight or Scab, with safety to the foliage.

Dilute at rate of 1 part to 100 parts of water and spray lightly.

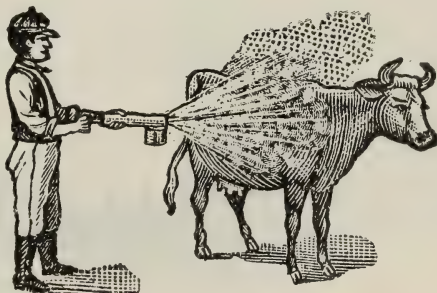
This solution can be handled safely by any ordinary careful person without danger or harm.

Put up in Quarts, Gallons and 5 and 10-Gallon Kegs. Retail at \$1.75 per Gallon.

**HAMMOND'S "CATTLE COMFORT"**

Is detrimental to Flies and Gnats that afflict domestic animals. Apply it to base of horns, along the back to the tail, and on the neck and forequarters. It will relieve all animals and fowls from the noxious effects of Horn Flies, Mosquitoes, Lice, etc., and is healing to sores.

Directions—Rub lightly on exposed parts, as mentioned above, with cloth, sponge or atomizer. It may be diluted half and half with kerosene as a matter of economy. Put up in Quarts, 45c.; Gallons, \$1.15; 5 Gallons, \$5.



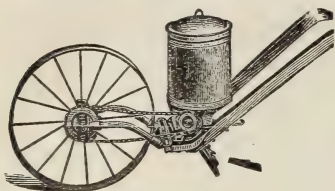


# IRON AGE No. 22. Combined Fertilizer Distributor and Drill Seeder.

Applies fertilizer in connection with the seed or at sides of growing plants. Plows are adjustable in depth and width so you can put the fertilizer where you want it.

**No. 23.** Fertilizer Distributor as a Side Dresser, \$13.00.  
Seeder attachment, \$5.00. **Fig. 130.** Price \$18.00.

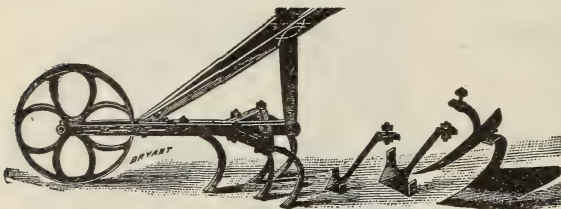
**No. 25.** Single Wheel Fertilizer Distributor. The distributor attachment can be put on No. 1 or No. 20. Price \$8.00.



**Fig. 189**



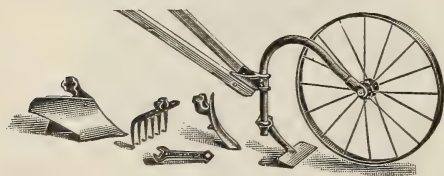
**No. 26** Fertilizer Drill not only distributes, but makes its own furrow, drills fertilizer and covers. Price, \$8.00.



**Fig. 30**

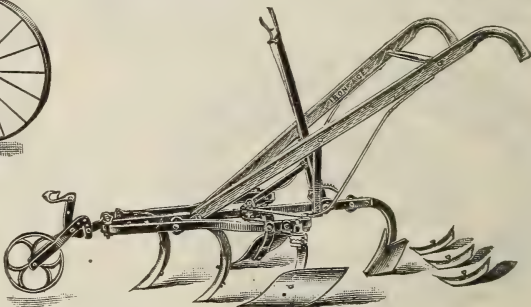
**"Gem"** Single Wheel Garden Hoe. A practical tool with convenient adjustments and a complete outfit. Light, compact, durable. Made almost entirely of steel and malleable iron. Price, \$5.00.

**No. 6.** Horse Hoe and Cultivator. With plain wheel, Fig. 100, \$6.00. With lever wheel, \$6.50. **Fig. 100**



**Fig. 120**

**No. 12.** Wheel Plow and Cultivator. Price, \$3.50. A low priced tool for the work to be done in a small kitchen garden. Opens furrows, covers, hoes, cultivates, rakes.

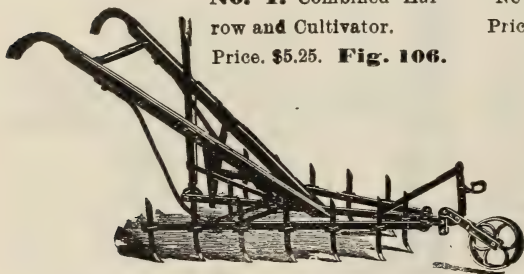


Expands 14 to 3 inches

**No. 1.** Combined Harrow and Cultivator. Price, \$5.25. **Fig. 106.**

**"New Model"** Seed Drill Price, \$8.00.

**Fig. 28.**



1911 Complete IRON AGE Catalog mailed on request.

**IRON AGE Garden Wheel Hoes and Drills.**

**No. 6.** Combined Double and Single Wheel Hoe Hill and Drill Seeder. Price, \$12.00.  
**Fig. 114**



**No. 7,** as Seeder  
only, \$9.00.



A large garden worked at odd times with a wheel hoe

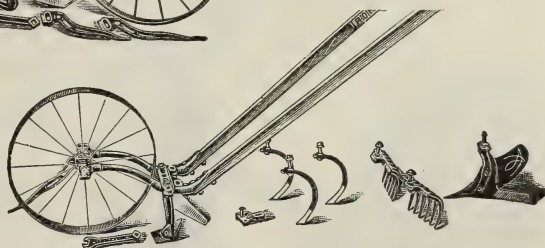
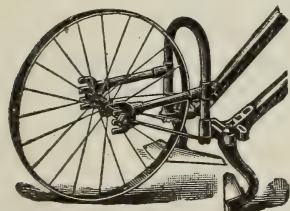
**No. 1.** Double and Single Wheel Hoe. Price, \$7.00.

**No. 3.** Plain, \$4.25.

**Fig. 75.** Double Wheel Hoe form of No. 6.

**Fig. 76. Single Wheel Hoe Form of No. 6.**

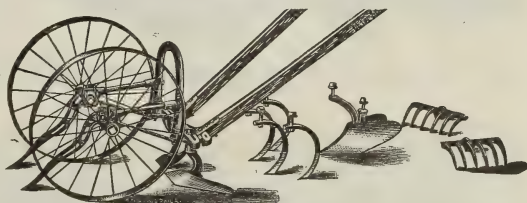
Four machines in one, with a dozen or more different combinations, and attachments without number, for the different



**No. 20.** Single Wheel Hoe. Price, \$6.00.

**No. 21.** Plain, \$4.00.

kinds of work to be done in a garden. No gardener should be without a Wheel Hoe and Drill, and other attachments can be added as you need them. Light, yet strong—easily operated—simple adjustments.



**Fig. 135.**

**No. 15.** Combined Single Wheel Hoe, Hill and Drill Seeder.

This is the Drill form of No. 20. Will sow continuous rows or in hills. Same as No. 6, except "Single Wheel" only.

Price \$11.00

**Fig. 125**



Ridging Celery

Free for the asking, IRON AGE 1911 Catalog.



# IRON AGE

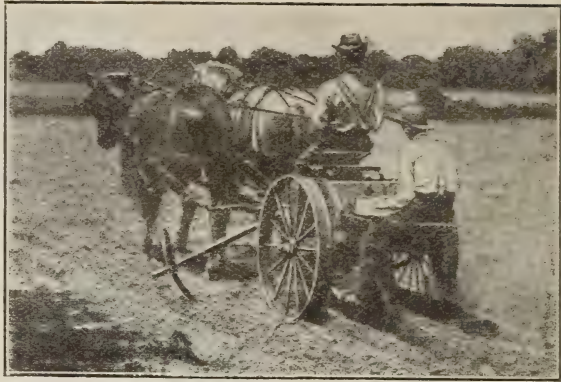
(Improved Robbins)

## POTATO PLANTER

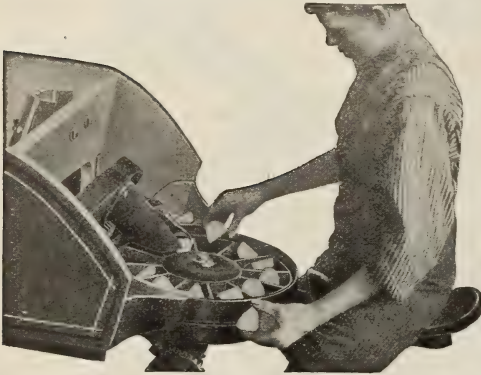
**No. 1.** With Fertilizer Distributor . . . . . \$83 00

**No. 2.** Without Fertilizer Distributor . . . . . \$73 00

Seed Attachment for peas, beans and corn . . . . . \$5 00



Correcting doubles and m'sses—earning big money for his employer.



Plants 10 per cent. perfect, all the seed that goes into the hopper.

Plants without misses or doubles.

Plants in straight rows, easy to cultivate.

Plants at even depth.

Plants at regular spaces in the rows.

Plants without injuring the seed in any way—no pickers are used.

Sows fertilizer in broad stream across row and mixes it before seed is dropped in soil.

Plants seed in groove, so it cannot roll.

Covers the row as deep as you want it.

Takes a boy on rear seat, but saves four times his cost.

## FOUR ROW SPRAYERS.



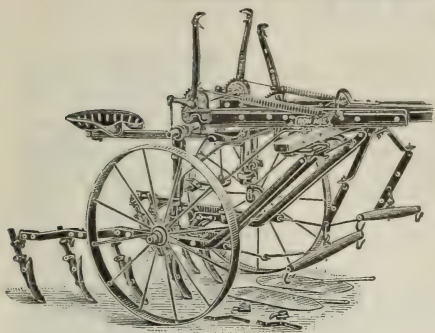
**No. 102.** With Single Acting Pump and Thills, 55 gallon Steel Tank, \$73.00.

**No. 105 D.** With Double Acting Pump, Pole, 100 gallon Wood Tank, \$95.00.

Furnished with wood wheels unless steel wheels are ordered. Furnished with either pump, either kind of tank, thills or combination pole and thills or pole only. Adjustable for rows 28, 30, 33 and 36 inches apart. Only first-class high pressure pumps are furnished. Attachments include Middle Row, Tomato Spraying Twin Nozzle, Nozzle Strainer and Orchard Attachment. Price of latter, \$7.00 See Catalog for other prices.

Send for IRON AGE 1911 Catalog. Shows complete line.

# IRON AGE RIDING CULTIVATORS With Pivot Wheels.



## No. 83, With Eight Hoe Flat Bar Gang. Price, \$33.00.

Pivots are near the center of the wheels, rest on steel ball bearings—machine guides easily.

Wheels can be "fixed" for fallow work and on the road.

Wheels adjusted 32 to 42 inches.

Gangs can be adjusted to work rows 28 to 54 inches apart.

A lever shifts for width.

Tooth Standards are adjustable for width and angle of cut. Break pin hoes.

Spring pressure keeps the teeth in the soil. A powerful lifting spring assists in shifting.

Adjustable seat and pole, steel evener, direct draft.

IRON AGE Catalog shows three other machines in this series—all of same construction except the gangs—you are sure to be suited with just what you need to do your work.

## No. 60, with Pivot Wheels, Spring Pressure Lock Down, Lever Gang Adjuster, Eight Hoes on Flat Bar Gang. Price, \$36.00.

Steel ball bearings for pivots, lifting springs, gang adjuster lever—all assist in easy operation of the machine in all conditions of crop and soil.

Wheels are 42 inches high and may be set 50 inches wide and narrowed to 39 inches.

Built for strength, rigid in operation when set, thoroughly adjustable.

**Both No. 83 and No. 60** can be furnished with either Spring Teeth or Spring Hoes. See Catalog for prices and attachments.



No. 60 in level cultivation of corn.

**Just out--NEW IRON AGE CATALOG--Ask for it to-day.**



# DRAIN TILE.

Following sizes always on hand. Length about 14 in.



		Weight Each.	Per M.
2	inch Rise, Sole Tile	3 lbs	\$13.50
2	1-2 " " " "	4 " "	16.50
3	" " " " " "	5 " "	22.00
4	" " " " " "	7 " "	38.50
5	" " " " " "	9 " "	55.00
6	" " " " " "	12 " "	77.00
3	1-2 Horse Shoe Tile	4 lb.	16.50
4	" " " " " "	5 " "	22.00
5	" " " " " "	6 " "	33.00
6	" " " " " "	8 " "	44.00

Special prices on carload lots direct from factory which being located at Chittenango, N. Y. on the lines of the N. Y. C. & H. R. R., the West Shore R. R. and Erie Canal, gives us exceptional shipping facilities.

# COMPRESSED SALT CAKES AND FRAMES

For Horses Cattle and Sheep. PAT'D. Pure Re-  
fined Salt, acts as a ton-  
ic, invigorates the sys-  
tem, promotes digest-  
ion, purifies the blood.  
35c Oake, 5 Oakes \$1.00

Frames 25 Cents.



Waters Tree Pruner  
75c to \$2.00

# The "IMP"



# Gasoline Blow-Torch

It Will Heat or Solder Anything!

Not a toy but a practical torch of small size which will do as much work as a large one.

Starts with a match, has no pump or valve, is entirely automatic and burns two (2) hours on one filling. For hand or bench work.

Produces a perfect Bunsen flame of over 2000 degrees Fahrenheit.

The corrugated neck largely increases the heating surface and creates a greater pressure than could otherwise be produced.

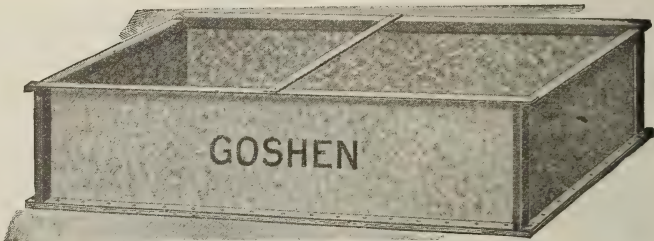
The ideal soldering torch and adopted as such by the New England Telephone & Telegraph Company, after severe test in their Engineering Department and actual use by their men.

Perfectly safe and can't get out of order. Heats a soldering copper or TAKES THE PLACE OF ONE.

For any purpose where quick, cheap, clean and intense heat is desired.

All brass, nickel plated. Retail price \$1.50 — Mailable.

# THE GOSHEN FAVORITE GALVANIZED STEEL WATER TANK.



# Square End Watering Tanks.

Width.	Height.	Length.	Capacity.	Price.
2 ft.	2 ft.	4 ft.	33-4 bbl.	\$ 8 00
2 ft.	2 ft.	5 ft.	43-4 bbl.	9 00
2 ft.	2 ft.	6 ft.	53-4 bbl.	10 00
2 ft.	2 ft.	8 ft.	71-2 bbl.	15 00

Can furnish any size up to 60 barrel.

**GOSHEN TANK HEATER**---Save feed by supplying your cattle and hogs with warm water. Feed is just so much fuel to the animal economy. It takes lots of extra feed to take the chill off of the cold water animals drink. **Price \$5.00.**

# HARDWARE.

We sell everything in Hardware, Paint, Glass, Putty, Nails, Cutlery, Shears, Razors, Knives, Carving Sets, Florists Supplies.

# F. H. EBELING, SEEDS AND HARDWARE

## MILKMEN AND DAIRY SUPPLIES.

47

MILK CANS—ALL SIZES.—PEDDLING CANS IN 20, 30, 40, 50 AND 60 QUART SIZES.

**Milk Bottles and Milk Caps always in Stock.**

Quart Milk Bottles	70 cents per doz.	Quart Dippers	- - -	.35 to .50
Pint " "	60 " " "	Strainers	- - -	.50 to 2.00
Half pint " "	50 " " "	Tin Milk Pans, per doz	1.50 to 3.00	
Milk Caps - - -	25 " " 1000	Tin Milk Pails, all sizes	.30 to .75	
Carrying Cans, all sizes	\$ .50 to 2.25	Sprinkling Pots, "	.25 to 1.25	
Dairy Cans	" 5.00 to 6.50	Excelsior Strainers - -	2.50	
Wholesale Cans	" .40 cents	"Our Own" Strainers -	2.00	
Strainer Pails	" .65 to .75	Aerators - - - -	5.00 to 7.00	
Pint Dippers - - -	.25 to .45			

### THE VERTICAL OSCILLATING MINUTE CHURN.

Churns butter from cream in one minute or your money refunded.

This churn is simply a tin can between two springs, which permits an easy and rapid vertical movement.

We have churned butter from cold cream right here in our store in less than two minutes.

Price 2 gallon	\$4 00
" 3 "	5 00
" 5 "	6 00
" 10 "	9 00

### MILK FEVER OUTFIT.

**For Sterilized Air Treatment.**

This treatment has cured 97 per cent. of all cases treated.

This treatment is recommended by the Bureau of Animal Industry, United States Government, Department of Agriculture.

The outfit consists of the instrument, a roll of tape, a package of carbolic cotton. Full directions, neatly packed. Price, \$3.00 net.

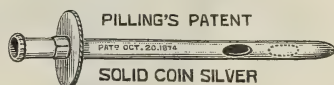
### Price List of Gravity Cream Separator.

No. 0 holds 7 gal., used for 1 to 2 cows, 60 lbs. milk per day,	\$2 50
No. 1 " 11 " " 2 to 3 " 100 " " " "	4 50
No. 1 1-2 " 18 " " 3 to 4 " 150 " " " "	5 50
No. 2 " 25 " " 4 to 7 " 200 " " " "	6 50

### MILKING TUBES.

**For sore and obstructed Teats and for Hard Milking Cows.**

Full Directions with Each Tube. 35 cents to \$1.25 each.



### SCALES.

Platform Scales.....	\$8.00 to \$12.00
Counter Scales, Single Beams.....	2 50
" " Double Beams.....	3 00

### RICE'S CALF WEANER AND SUCKING COW MUZZLE.

For preventing Calves and Cows sucking themselves or each other.

No. 1—For Calves till 1 year old, 25c, by mail postpaid 35c
No. 2—From 1 to 2 years old, 50c, by mail postpaid 56c
No. 3—For full grown animals and self suckers, 75c, by mail postpaid 85c

### BARREL CHURNS.

No. 0,— 4 gallon, will churn, 2 gallons	\$3.50
No. 1,— 10 " " 5 "	4.50
No. 2,— 15 " " 8 "	5.00
No. 3,— 20 " " 10 "	5.50
No. 4,— 25 " " 12 "	7.00
No. 5,— 30 " " 14 "	8.00

Oak Dash Churns, Stone Dash Churns, Dog Powers, Butter Workers, Skimmers, Butter Carriers, Ladles, Richardson's Butter Color, Butter Prints, Floating Glass Thermometers, Dairy Thermometers, Cream Gauges, Babcock Butter Tester.



### MILK BOTTLES.

1 quart, 70 cents per doz.
1 pint 60 " " "
1-2 " 50 " " "

### MILK CAPS.

Per thousand, 25 cents.



## UNITED STATES SEPARATORS

The U. S. Separator was the **first** and is yet the only entirely successful Separator that distributes the incoming volume of whole milk evenly to the interior circumference of the bowl and far beyond the cream zone and **prevents all conflict of currents and any remixing of the cream and skimmilk** in the process of separation, thus assuring the closest skimming.

It should be distinctly understood that the skimming principle is the same in all United States Separators. The improvements made in the Interlocking bowl have been with a view to intensify the centrifugal action on the milk, but in smaller space, thus making the skimming device more compact.

The skimming device of the Interlocking U. S. has these qualities. The centrifugal stress forces the heavier portions of milk to the circumference of the bowl and the lighter portions, or the cream, through the center in a winding course, through more and smaller channels, and for a longer distance than in the Junior style.

We introduced these changes because everything that increases the length of the flow and intensifies the centrifugal force (which the Interlocking style does), providing the main principle is unchanged, is a further assurance that all the cream is separated. The greater intensity permits a smaller bowl, hence easier running.



## CHAMPION MILK COOLER AERATOR

Automatic, Simple, Efficient, Durable.



1	10 quarts	1 to 10 cows	2 milkers	\$5.00
2	18 "	10 to 25 "	3 "	6.00
3	34 "	25 to 50 "	5 "	7.00
4	52 "	50 to 100 "	8 "	10.00

Extra sizes on special orders.

Prices include double cheese cloth strainer and spring pins.



## Eureka Butter Printer.

Self-gauging.

Per pound or half pound.

No. 1.....	\$4.50
No. 2.....	3.50

## LATEST INTERLOCKING STYLE.

No. 18, guaranteed capacity	350 lbs.,	- \$ 65.00
No. 17, " " "	450 "	75.00
No. 16, " " "	600 "	85.00
No. 15, " " "	750 "	95.00
No. 14, " " "	1000 "	110.00
No. 12, " " "	1350 "	160.00

## Power Attachments for Dairy Sizes.

Clutch Pulley 14 in. diam., 3 in. face, for Crank Shaft,	\$ 3.50
With additional Loose Pulley, extra, . . .	3.00
Pulleys 12 in. diam. can be supplied if desired at same prices	

Separators fitted with Ratchet and Loose Pulleys 3 in. diam., 1 1-4 in. face, with Belt Shifter, for Worm Gear Shaft, (when ordered with separator), additional price, . . . . . \$ 6.00

The same in 6 in. diam. Pulleys, additional price, . . . . . 7.00

3 in. or 6 in. Pulleys with necessary attachments (when not ordered with separator. Prices on application

Self Governing Pulleys, each, . . . . . \$10.00

For Engine or Line Shaft (give size of shaft)



## DAVIS SWING CHURN.

Complete with Folding Frame.

No. 1, 4 gal. or less	\$ 7.00
No. 2, 5 gal. or less	8.00
No. 3, 8 gal. or less	10.00
No. 4, 10 gal. or less	12.00
No. 5, 13 gal. or less	15.00



## EUREKA BUTTER WORKER.

No. 1, 8 to 12 lbs	\$ 6.00
No. 2, 10 to 20 lbs	8.00
No. 3, 25 to 40 lbs	10.00
No. 4, 40 to 60 lbs	12.00

**DANA'S STOCK LABELS****For Cattle, Sheep, Hogs, Etc.**

Cattle Labels, . . . 75c dozen, \$4.00 per 100	
Sheep and Hog Labels, 50c doz., \$2.50 per 100	
Punches for Cattle, . . . . .	\$1.50 each
"    Calves, . . . . .	1.25 each
"    Sheep and Hogs, . . . . .	1.00 each
Bull Nose Punch, . . . . .	1.25 each

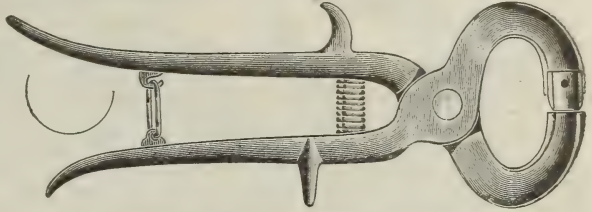
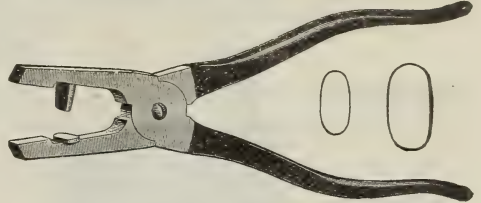
The above mailed you upon receipt of price named.

**HAND AND POWER ROOT CUTTER.**

Has a capacity of 80 to 100 bushels per hour. One bushel per minute has been cut as a test, many times.

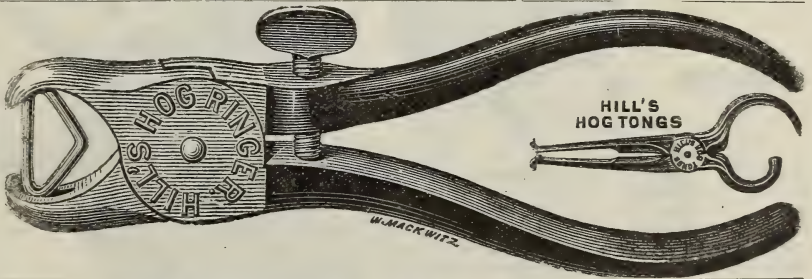
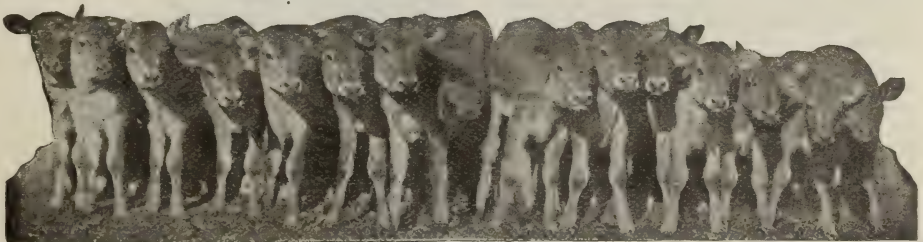
It saves the price of a cow, as they cannot choke when fed on roots cut by this machine.

Price, \$9.00 to \$14.00.

**Dana's Bull Nose Punch.****Dana's Cattle and Sheep Punch.**

Hog Rings  
10 Cents  
Per Box.

Hog  
Ringer  
25 Cents

**BLATCHFORD'S CALF MEAL.**

The perfect Milk Substitute for raising calves. One hundred pounds of it makes 100 gallons of Rich Nutritious Gruel. It is now a well recognized fact that one of the most successful aids to profitable farming is using a good Milk Substitute for raising calves. It is absolutely the only Milk Substitute that contains all the elements necessary for bodily growth in approximately the proper proportion. It pushes pigs, colts, etc., for ward better and quicker than any other food.

Average analysis of Blatchford's Calf Meal from a number of analyses taken at various times:

PROTEIN, 25 per cent.

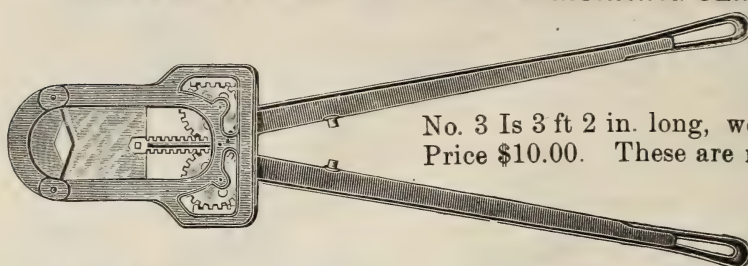
FAT, 5 per cent.

Prices: 100 pound bag, \$3.50.

50 pound bag, \$2.00.

25 pound bag, \$1.00.



**DR. LEAVITT'S DOUBLE POWER DEHORNING CLIPPERS.**

No. 2 is 3 ft.  
long, weighs  
12 lbs. \$8.00

No. 3 Is 3 ft 2 in. long, weighs 15 lbs.  
Price \$10.00. These are made with V  
blades or slant  
blades or bull  
style.

**KOW KURE** is a medicine especially designed for the cow and it is the only remedy known that entirely fits her case. It is carefully compounded of twelve drugs which may be divided into four sets; there is one set acting on the womb and other organs of generation; another set acting upon the stomach; another set on the blood, and the fourth on the kidneys and bladder.

**WHAT IT DOES**—Kow-Kure prevents abortion by aiding nature to give nourishment to the organs of the generation and strength to the muscles of the womb. We know of no other medicine that will do this. It cures barrenness and retained afterbirth in the same way. It improves appetite and aids digestion, thereby increasing the flow of milk. It enriches and vitalizes the blood, curing bunches and inflammation. It cures diseases of the kidneys and bladder. Kow-Kure is in every sense a medicine and in no sense a food. Fed to milch cows it improves their condition and increases milk and cream ten per cent. Cost about one cent per day per cow. Price 50c and \$1.00.

**FARMER'S****FAVORITE****COOKERS**

Complete as shown in cut.

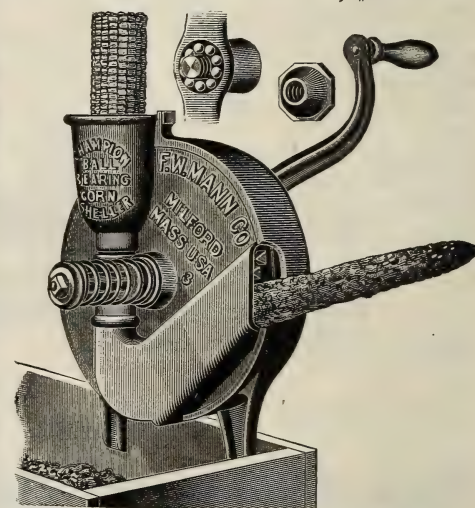
30 gallons...	22x24x13 1-2	24 Inches	\$11 00
40 "	22x30x14	30 "	12 00
50 "	22x36x15	36 "	13 00
75 "	22x48x17	48 "	15 00

The Farmers' Favorite is used for a great variety of purposes, such as cooking grain and vegetables for stock and poultry. Heating water for scalding hogs and poultry. Boiling spraying mixture. Heating water on wash day. Heating water for washing dairy utensils. Rendering lard and tallow. Boiling sorghum.

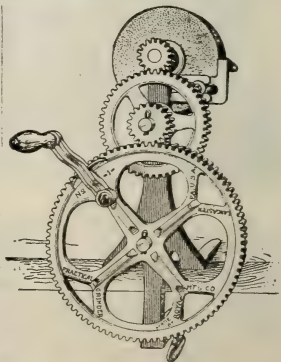
Heating drinking water for stock. Syruping down. Boiling elder. Preserving and evaporating fruit. Sugaring off. Boiling sap. In addition to the above, by using a top plate in place of the boiler it converts the cooker into a first-class stove for warming a milk room, hog house, poultry house, cellar or shop. Can you think of any other farm implement that can be used for so great a variety of purposes? The farm equipment is incomplete without one of these cookers.

**THE IRON KING CORN SHELLER**

Has no equal. It is the best and cheapest Sheller on the market. **Price, \$1.50.**

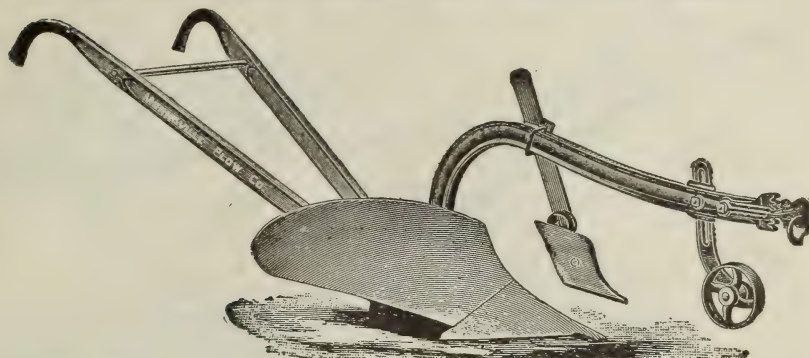
**EMORY GRINDSTONE WHEELS.**

After numerous tests, comparing Alundum grain with other abrasive grains, including the Diamond, Alundum is found to exceed 91-2 inches in scale of hardness, where the diamond is 10. All spindles are cold-rolled steel. Best cast iron used for frames and gear wheels—positively no scrap iron. It will last a lifetime. No belts to break and no chains connecting gear wheels to buckle. No water required on grinding wheel and positively will not draw temper of the finest steel. **Price \$1.75, \$2.50, \$5.00.**



# MUNNSVILLE PLOWS.

No. 10, STEEL BEAM PLOW—"The Big Seller."



This Plow is long on the run with a high Mouldboard, of a shape that insures easy draft. good cleaning qualities and pleasing appearance. **Price \$14.50.**

## ONEIDA VALLEY CLIPPER No. 2½.

A light one horse cast steel plow, adapted to plowing out corn, hops and nurseries. Can be gauged so as to plow to and from the rows.

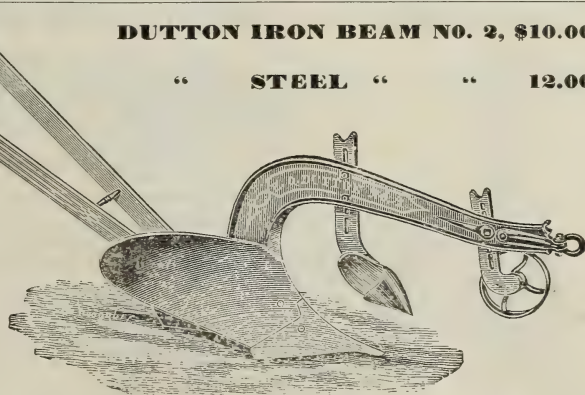
**Price, \$11.50 Plain. No. 2 1-2 Chilled \$11.00.**

**THE MUNNSVILLE PLOW SULKY WITH RIDING ATTACHMENT**  
**With Plow Complete, \$28.00. Riding Attachment Only, \$15.00.**

**DUTTON IRON BEAM NO. 2, \$10.00**

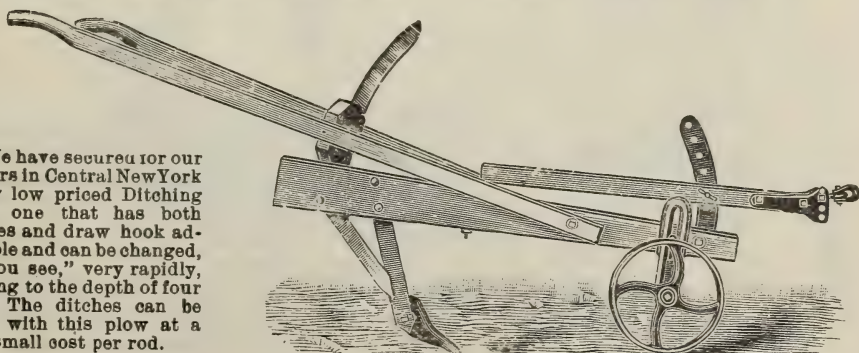
**" STEEL " " 12.00**

**THE BEST  
 LOW PRICED  
 PLOW  
 ON THE  
 MARKET.**



## DITCHING PLOW. PRICE \$10.00

We have secured for our farmers in Central New York a very low priced Ditching Plow, one that has both handles and draw hook adjustable and can be changed, "as you see," very rapidly, plowing to the depth of four feet. The ditches can be made with this plow at a very small cost per rod.







## HARROWS.

Spring Tooth, with Self-Setting Levers, on Wheels.

Spring Tooth Harrow, with Shoes in place of Wheels.

Peg Tooth with Levers, Adjustable Teeth and Strong Frames.

Also the Acme Cutaway and Disk Harrows.



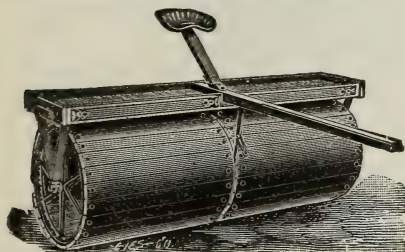
## LAND ROLLERS.

Oak Stave Roller, Two Sections \$22.00

Steel Roller, 26 inch, Two Sections, with closed ends, \$28.00

Lawn and Garden Roller \$8.00 to \$12.00

These Rollers are made of the best material and made near home. All parts can be easily supplied.



## ACME PULVERIZING HARROW, CLOD CRUSHER AND LEVELER

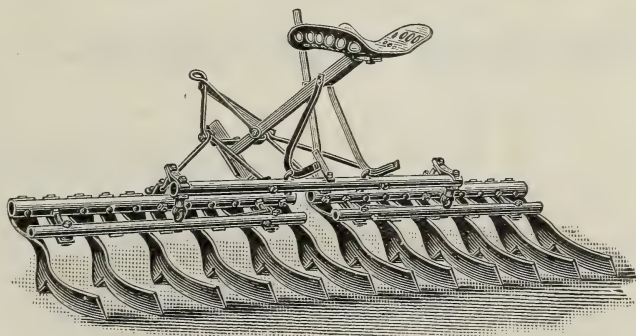
Lightest Riding Harrow sold anywhere. Low in price, light in draft, most easily handled. Made entirely of steel and iron and indestructable.

OUTS, CRUSHES, TURNS, SMOOTHS AND LEVELS, all in ONE OPERATION.

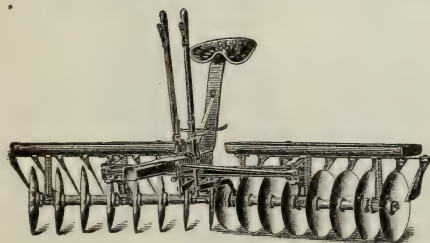
6 ft. 6 in. Two Horse Size.

You need one on your farm,

**PRICE, \$16.00.**



## NEW YORK DISK HARROW.

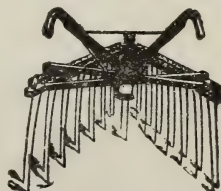


The great labor saver. Every farmer should have one.

**Price, \$20.00 to \$25.00.**

## KEYSTONE ADJUSTABLE WEEDER.

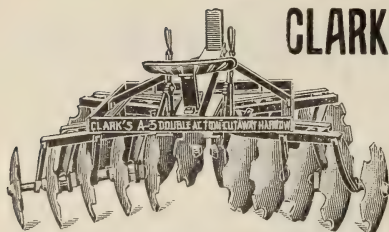
As a weed killer it has no equal



Can expand to 7 1-2 feet and narrow to 30 inches.

**\$12.00**





## CLARK'S DOUBLE ACTION CUTAWAY

**KILLS QUACK! KILLS QUACK!!**

The Double Action Harrow does between two and three times as much work as any single action harrow, either solid or cut out. It makes and keeps the land true all the time. The draft of the

Double Action is very little if any more than the draft of the solid disk harrow and does more than three times as much work and better. This is brought about in part by one set of disks following central behind the other; again there is only one-half as much tramping of teams in doing the work. Immediately after the first gang of disks lifts the earth the second gang of disks strikes and follows central cutting and lifting it deeper than the first set and levelling the earth completely, which cannot be said of any other disk harrow ever made. All single action disk harrows ridge the land more or less, even with the most careful driver. All fitted with jointed pole.

Bear in mind that the **Clark's Grass Tools** are in order whenever the frost is out of the ground, especially the **Double Action Cutaway Harrow**, and the **Clark's 26-Reversible Cutaway Sulky Disk Plow**. The more you cultivate, the better crops you will have.

R. F. D., No. 8, Oswego, N. Y., March 22, 1908.

"I have used Clark's Double Action Cutaway for the last six years, and I could not do successful farm work without it. It is the only tool made that will tear to pieces and thoroughly mix manure with the soil. It fits the land so perfectly that I have never failed of a good crop.

"Clark's Double Action Cutaway turns, mixes and aerates the soil so thoroughly that the chemical action of making available the plant food in the soil begins at once, thus giving the growing plant such an abundance of food that it is rich in color, sturdy in growth, thus giving results at harvest that will greatly benefit the farmer. (Signed) C. E. WOODWORTH."

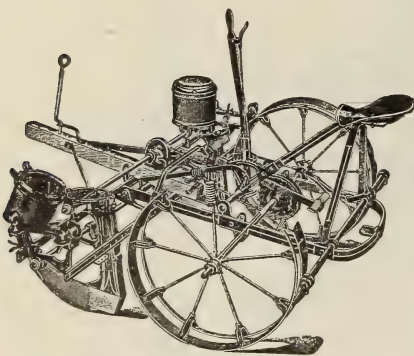
**A-4 Cutaway, \$33 00**

**A-6 Cutaway, \$40 00**

**A-5 Cutaway, \$35 00**

**Reversible Sulky Disk Plow, \$35 00**

## BLACK HAWK CORN PLANTER.

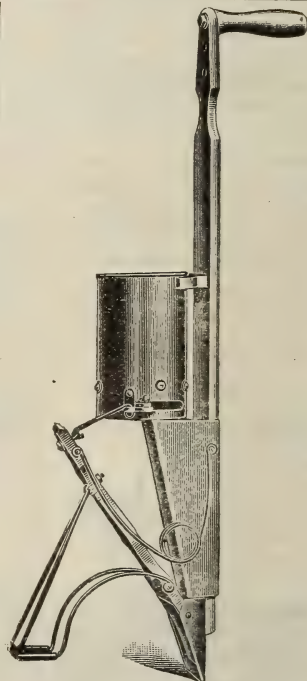


This plants two rows at a time and is the latest addition to the justly celebrated line of Planters. It is so simple that it is next to impossible for it to get 'out of fix', and in the matter of convenience is simply in a class by itself. The drop works on the 'edge selection' principle, taking advantage of the fact that kernels of corn, while varying greatly in size, are comparatively

uniform in thickness. This gives the Planter an extremely accurate drop. The valve mechanism is entirely enclosed within the shank, and is not affected by corn stalks or other trash. The corn is forced out of the heel in perfect check, regardless of the speed of the team, and there is no clogging of the heel. It is always ready for either hilling or drilling, no change of the valves being necessary and no change of plates for distances most used. The foot-drop is always ready for use and is convenient to the foot. While the front and back frames are extremely rigid, there is a spring connection between the two, allowing the Planter to follow the inequalities of the surface of the ground.

**Price, \$55.00.**

Complete with Fertilizer attachment.



### THE AMERICAN STANDARD HAND CORN PLANTER.

The Universal Favorite. Quickly adjusted for a light or heavy seeding, and rotates similar to the disc in a Horse Planter. Price \$1.50

## THE IMPROVED THREE-ROW CORN MARKER.



This out shows our Steel Wing Marker. The runners are long, which enables it to make a true and even mark. It is adjustable to mark any width row and any depth desired.

Two-Row Marker for one horse, \$7.00. Three-Row Marker for two horses, \$8.50.

### FARMERS' COMBINATION CLAMP AND DRILL.



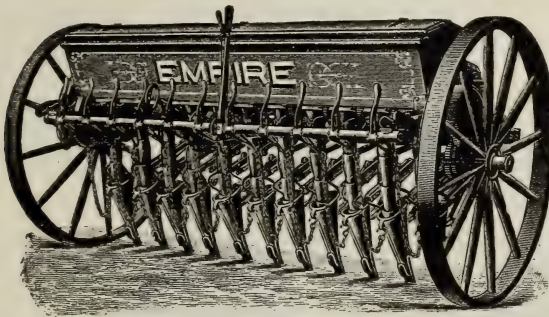
\$2.25 with Diamond Point Drills.  
\$3.00 with Syracuse Twist Drills.

Extra Drills 10c each.  
Extra Drills 25c each.

The lowest priced first class article of its kind on the market.  
Can be used as a wood clamp, also a bench vice, or hand drill.

### THE BEMIS PLANTER.

Sets all kinds of plants like cabbage, tobacco, etc. The success of plant setting is assured by its use. The most successful planter on the market. Made near by, and all parts supplied on a few hours' notice. **Price \$65.00.**



### EMPIRE DRILL.

This grand, old reliable drill has been on the market beyond the memory of the oldest farmer and has always stood for that which is best. It sows perfectly all kinds of grass seeds and grain, and the fertilizer attachment is equal or superior to the best of its kind on the market. When you buy an Empire Drill it will last you for two generations and longer. The repairs for this Drill can always be found here. We have sold this drill for nearly forty years, and every Drill is guaranteed to do its work.

Price for 9-Tube Drill . \$75 00  
" " 11-Tube Drill . 85 00

### THE PROUT HOE.

This very practical tool is so well known that no description is necessary. It is a furrower, a coverer and a hiller combined. So simple, so handy, practical and good that you wonder why you did not own one before. **Price \$20.00.**

### CHATHAM FANNING MILLS.

I offer this high grade Fanning Mill which will better meet the requirements of our farmers than those usually sold in this market. The easy and rapid work with bagging attachment commends itself. These mills come with a full set of sieves, suitable for all grain as well as grass seeds. Cleaning and grading them in a thoroughly superior manner. **Price complete, \$30.00.**

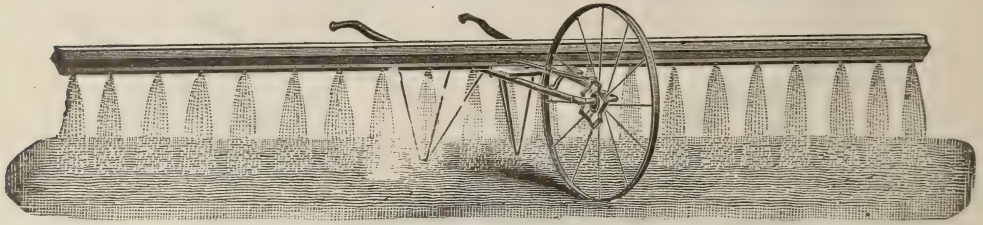
A writer says that his place was overrun with rats until he hung peppermint about the premises, which drove them away at once. The remedy is a simple one and well worth a trial.

### ENSILAGE FORKS.

The ensilage fork we offer is the best and most popular fork ever put on the market and fills a long felt want for a light, strong fork to handle ensilage, fine manure, etc. **Price, \$1.40**



# F. H. EBELING, SEEDS AND HARDWARE WHEELBARROW SEEDERS.



## WITH WOOD OR IRON FRAME.

They can be worked by anyone who can run a wheelbarrow,  
Price, 14-foot, \$6.00; 16-foot, \$7.00.

## THE LITTLE GIANT SEED SOWER.

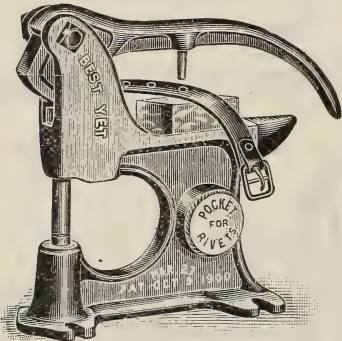
This is the cheapest Crank Seeder on the market, and equal to the best for quality of work it does and durability. Don't pay \$5.00 for a seeder when you can get its equal for less money.

Will sow Wheat, Oats, Rice, Flax, Millet, Turnip Seed, Clover Seed, Grass Seed, including Light grasses; in fact any kind of Seed broadcast. Also Plaster, Fertilizer, Salt, Ashes, etc.

They save one-third seed and two-thirds labor.

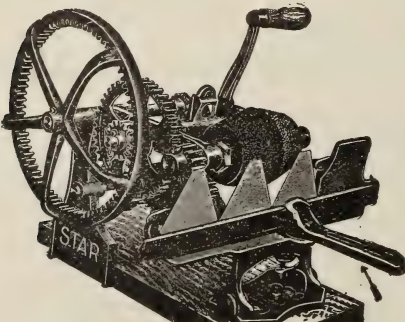
CRANK SEEDERS	-	-	-	\$2.00
FIDDLE SEEDERS	-	-	-	\$1.50

## THE "REX" RIVETER.



## THE BEST.

The cheapest, most durable and the most practical Riveting Machine on the market.  
Price 50c and 85c.



STAR SICKLE GRINDER, \$5.00



## Eureka Kitchen Garden Seed Drill and Hot Bed

It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all such seeds with the greatest regularity. Force Feed. It is only intended for small Gardens and Hot Houses.

Sows up close to the sides in straight rows. Sows the small packet of seed as well as a larger bulk. This Drill is not a toy, but a strong, practical machine that will last many years.

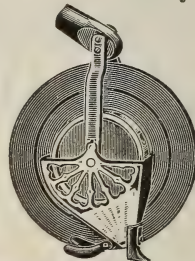
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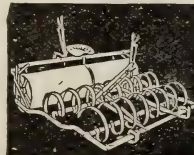
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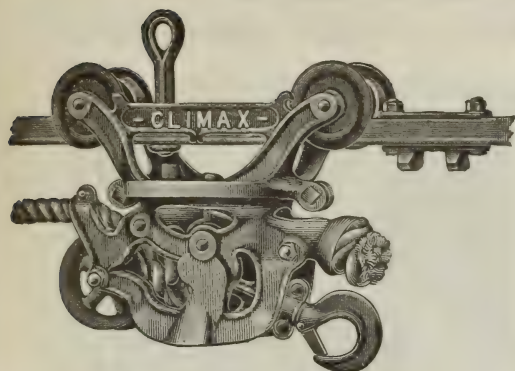
TO THE  
TRADE



Imboden's Harrow on free trial, without money in advance. Return at our expense if it does not please you. Fixtures to use Harrow and Roller separate and to make a riding cultivator. Guaranteed combined to give 50 per cent. better and nicer seed bed in half the time. Field looks like a garden, no foot prints are left. Can see check marks easier. Saves 1 team, and no heavier draft. A boy can do the work and ride. Oversteer with any depth, is ready in a second to move. Hundreds of them in use since 1900. Just ask for reports, description, price and terms.

Sold by F. H. EBELING.

Price \$38.00.



### THE NEY CLIMAX OPEN THROAT CARRIER.

With this carrier, it is possible to fill the mow closer to the comb of the roof than with any other carrier on the market. The throat has an exceptionally large opening, and the simple locking mechanism is so arranged that the lifting head or pulley locks directly on the sides or frame of the carrier, not depending on separate dogs or locks to hold the load. It is constructed and operated without the use of springs, and engages projections upon lifting pulley in a line with axis of pulley. This permits the pulley to swing very near the track and enables the carrier to work under conditions where any other carrier would necessarily fail.

### CARBORUNDUM SCYTHE STONES

Do away with the grinding of a scythe altogether. They produce a clean, sharp edge and do faster and easier than it could be done on the best grindstone ever made.

Carborundum Scythe Stones must not be classed with the ordinary scythe stones that you have been accustomed to. The old style stones are merely sandstone and are of very little use. They simply RUB the edge into shape—Carborundum CUTS it—cuts it fast and clean and puts an edge on your scythe that will be a revelation to you. **Price, 25c.**

## THE STERLING HAY LOADER

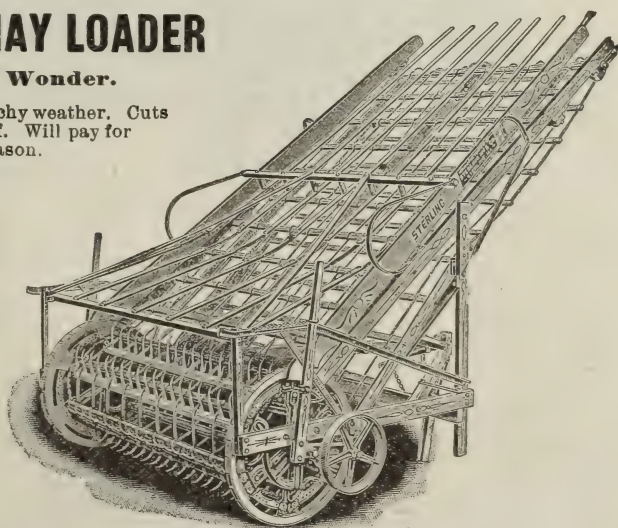
### A Labor Saving Wonder.

Insures your hay crop in catchy weather. Cuts the cost of labor one-half. Will pay for itself in one season.

**The Only Light Two-Horse Loader That Will Load Bunches and Heavy Windrows Without Damage to Loader.**

**Price, \$60.00.**

It is Absolutely Guaranteed.



## REVERSIBLE HAY CARRIERS. For either Steel or Wood Track.

Light and Durable. Runs either way on the track without changing.

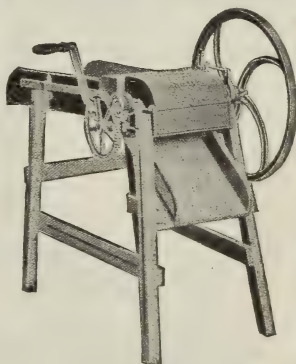
**Price, \$4.50.**

Ney Hay Car, steel or wood track, . . .	\$4 50
Climax Car, open throat, . . . . .	4 50
Diamond Car, wood track, . . . . .	4 50
Double Harpoon Forks, . . . . .	1 00
Double Harpoon Alfalfa Fork, . . . . .	5 00
Steel Track per foot, . . . . .	11
Pulleys in Wood and Iron, each, 25c to	75
Hanger Hooks, doz., . . . . .	75
Brackets, doz., . . . . .	50
Floor Hooks, each, . . . . .	10
Tedder Teeth, each, . . . . .	30
Horse Rake Teeth, . . . . .	25
Rope, best Manilla, at lowest prices.	
All Steel Hay Tedder, . . . . .	36 00
Adriance Steel Rake, . . . . .	22 00 to 25 00
New Yorker Horse Rake, . . . . .	20 00 to 24 00

We carry Haying Tools of all kinds.

Also Teeth for all Rakes and Tedders.

## HAND POWER FEED CUTTER.



**Price, \$12.00**



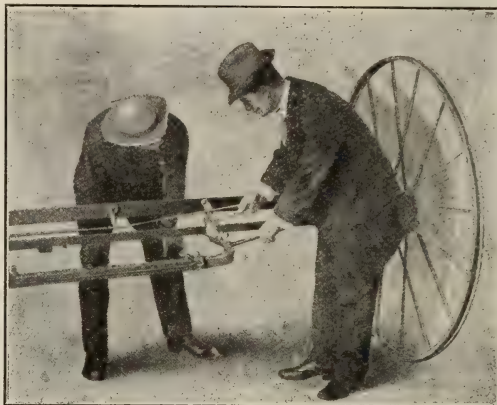
# The Reliable OSBORNE FARM MACHINERY

Osborne Machines have been used so long by so many up-to-date farmers and have given such satisfactory service that it is unnecessary to call attention to the fact that the number of farmers who are using them is increasing every year.

You probably realize that farmers who use Osborne Tillage Implements in preparing their seed beds and Osborne Machines for harvesting their crops always reap more than the ordinary crop because these tools are made to enable the farmer to prepare his seed beds in the best possible manner and to give him the pleasure of harvesting a bumper crop.

This excellent line of farm machinery that we offer you is made in Auburn, N. Y. The fact that the seat of manufacture is in Central New York makes the line even more favorable to the farmer.

A large and complete line of castings and extras are carried in stock at our warehouse and we are in a position to fill all orders promptly.



**A Strong Construction.**

**Mowers, Reapers, Hay Loaders, One-Horse Cultivators,  
Corn Harvestors, Horse Rakes, Lumber Wagons,  
Trucks, Tedders, Disk Harrows, Side Delivery Rakes,  
Sickle Grinders, Grain Reapers, Spring Tooth Harrows  
Peg Harrows, Hay Rakes, Kemp Manure Spreaders**

Our Osborne Binder gives the best service in all conditions of grain. It can be worked close to the ground and will take up tangled grain and bind it successfully. It's light weight, the levers are easy and it has every convenience to assist the operator. The wheels are fitted with roller bearings. The mechanism is so placed that the machine balances perfectly. There is neither neck weight nor side draft. This binder is made to withstand many times the strain it may encounter.

Our Osborne Reaper is an exceptional machine for use in places where a binder can not be operated successfully—for cutting clover for seed and many other purposes. The main frame is cast in one piece making a solid foundation to prevent the shafts from getting out of alignment and the pinion teeth from cutting. The seat folds over the main wheel close to the machine for driving through narrow gates or for storage. It is impossible for the straw to clog.

Our New Osborne Mower overcomes all difficulties common to grass-cutting machines. It is of great strength and light draft, easily handled, neat in appearance, faultless in operation, runs silently and is free from vibration.

Our New Osborne Vertical Lift Mower is of special advantage in mowing in fields where there are stones, stumps or other obstructions of such a nature that it is necessary to raise the bar.

Our Osborne One-horse Mower is built for use in places where a large mower can not be used to advantage. It makes a good machine for small farms, for use in cemeteries or for mowing lawns.

With our Osborne Rake Hay Loader, one man can do the work of driving and loading. No matter how heavy the hay is piled on the back of the rack, the loader will not pull it off.

Our Osborne Hay Rake was the first all-steel hay rake made and has hosts of imitators. The teeth are fastened to the rake head by interchangeable clamps so that the teeth can be placed close together or wide apart as the operator desires. The check tooth prevents the hay from wrapping and rolling. The dumping rods are reversible and interchangeable giving four wearing surfaces.

Our Osborne Hay Tedder is light draft and strong enough to ted wet windrows. The power is furnished by both wheels. The channel in the tire protects the spoke heads.

Our Osborne Corn Binder will do first class work in short, tall, standing or tangled corn. The main and grain wheels are the same height. Side knives are adjustable.

Our Osborne Disk Harrow has long been the standard type. It does good work in hard ground. There are no castings on the corners to break.

Our Osborne Peg Tooth Harrow is without question the strongest and most durable that has ever been made. The riding attachment saves the most tiresome work on the farmer.

Our Osborne Cultivators are made for all purposes for which a cultivator is required. The frames are of bar steel and are fastened so that the shovels are presented as squarely as possible to the ground.

Our Osborne Side Delivery Rake is noted for its especially light draft and durability. There are no joints on the corners and in places where the strain is the greatest one part braces the other.

We will be glad to show you any of our Machines at any time.

**KEMP 20TH. CENTURY MANURE SPREADER.****The Cheapest and Most Efficient Method of Fertilizing the Soil.**

On most farms there is only a limited supply of fertilizer produced, and unless handled carefully it will not meet the demands of the soil. Experiments prove that a load of manure properly spread will give better results than twice the amount spread in a haphazard way.

Here's a manure spreader that no farmer can find a word of fault with. It has all the good features of the old with many new and more practical improvements. It's narrower, longer, lighter, lower and more easily loaded than the old style. It includes everything that you could ask for in a Spreader. The shape permits it to pass through any ordinary gate or door. The truck is made entirely of steel. The machine will spread uniformly, no matter how heavily loaded and whether the soil is level or rolling.

Come in and see it, you'll be surprised with the strength and simplicity of its entire construction. Ask for catalogue and price.

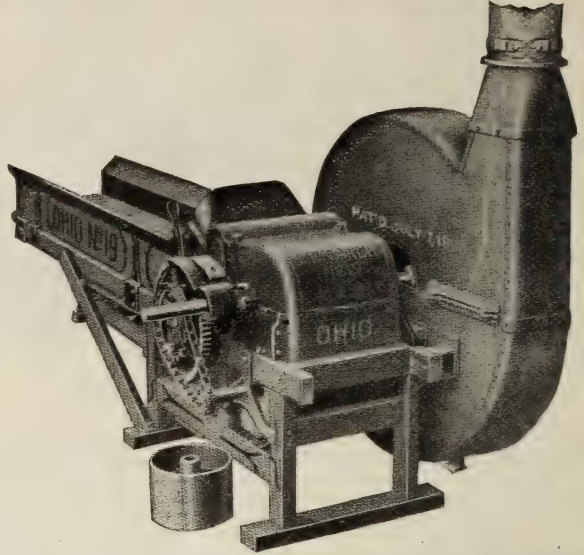
**NEW BETTENDORF STEEL GEAR****FARM WAGON.**

These extraordinary wagons are built with either steel or wood gears, narrow or wide tires, and for one or two horses. The steel axles cannot be worn as they are protected by removable sleeves. The original carrying capacity has never decreased. They are light running, as the axle retains perfect set even under a heavy load. This permits the wheels to revolve without binding at point of collar or skein. There are no bolts to lose, no wood parts to shrink or check, no annoyance from cross grain or knotty timber. Steel front and rear bolsters and hounds; steel sand board; spindles protected from actual wear by a malleable iron sleeve, which can be easily and cheaply replaced without changing the set or track of axles. These steel axles are the only ones made which have the taper and dimensions of the skein on wood constructed wagons. The reach extension tubing on the rear gear permits coupling for hay or combination rack with the usual length reach. Front and rear gears always in perfect track. There's no question of soundness, toughness or proper seasoning of wood stock, and no trouble from climatic conditions. It's never too dry or too wet for Bettendorf Steel Gears. This is positively the lightest running wagon on the market. Ask for catalogue and price.



The leading ensilage makers of the country are using "Ohio" Blower Cutters. They are not "dead ones." They bought the machines with their eyes wide open. They investigated and found the very best reasons for preferring Ohio Machines to others. You will be convinced by the same reasons. No practical ensilage maker can hold out against such Ohio advantages as the great big throat, the bull dog grip of feed rolls, the perfect self-feed, the freedom from complicated gear wheels and direct application of power. There is a big amount of work done with a small amount of power. The work goes right along without interruption or annoyance. It will handle your corn at the rate of 30 tons an hour, or a smaller machine if you want it. "Handling" means not only cutting the corn into proper lengths. It means also elevating into the silo. Ohios have the most powerful and perfect working Blower Elevating System of any ensilage cutters made.

**MAKE ENSILAGE THE "OHIO" WAY**  
And be in Good Company.



Get our fine free Ensilage Cutter Book and know the reasons why Ohio Machines are the favorites wherever they go. Send a postal.

## Bargains in Tools and Implements

You are offered at an especially low price the following list of high class Tools and Implements. Every one is a genuine bargain, and can be seen at our warehouse.

- 3 Wind Weeders.
- 5 Farm Trucks.
- 4 Adriance Steel Rollers.
- 2 Black Hawk Corn Planters.
- 1 second hand Buckeye Mower.
- 1 second hand 16 inch Ohio Cutter, with nearly 40 feet of Carrier.
- 1 Feed Mill.
- 1 Sulky Attachment for Plow.
- 1 Elmira Riding Plow.
- 1 Darnell Furrower and Marker.
- 1 second-hand Deer Planter, complete.
- 1 Steel Frame Perry Harrow.
- 1 Adriance Disk Harrow.
- 1 Imboden Combined Harrow and Roller.
- 3 6 Fork Peerless Tedders.
- 1 8 Fork Tedder.
- 1 Thompson Disk Harrow.
- 1 Moline Adjustable Disk Harrow.
- 5 Spring Tooth Harrows.
- 1 Prout Hoe.
- 1 Cyclone Roller and Pulverizer, corrugated.

- 1 Sterling Hay Loader.
- 1 Sterling Side Delivery Rake.
- 1 Surrey (Moyers).
- 1 Bristol Top Buggy.
- 1 Depot Wagon.
- 1 Family Carriage.
- 50 gallon Blanchard Churn, Crank.

## LAWN FENCE

All line wires in our Lawn Fence are composed of two galvanized wires twisted together, and the cross wires a single galvanized wire. See Catalogue.



# LOUDEN LITTER AND FEED CARRIERS, ETC.

Louden Litter Carriers, Feed Carriers, Merchandise Carriers, Cow Stanchions, Cow Stalls, Etc.

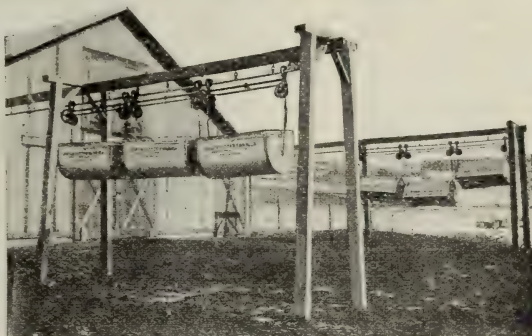
Forty years of experience makes the Louden Carriers the best in the world.

## PRICE LIST.

Louden Litter Carrier and Parts.

Litter Carrier, . . . . .	\$25 00
Steel Track, per foot, . . . .	18
Hangers, per dozen, . . . .	1 50
Curves, each, . . . . .	2 00
Two-way Switch, . . . . .	5 00
Stop Block, each, . . . . .	20
Rafter Brackets, per dozen, .	60
Ridge Pole Brackets, per doz.,	85
Screw Eyes, per dozen, . . . .	85
Splices, per dozen, . . . . .	50

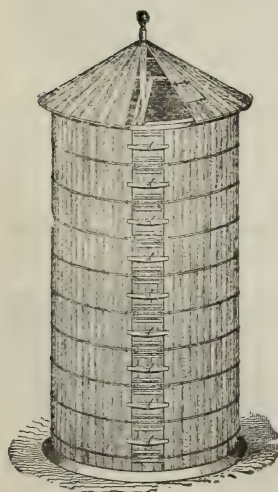
Ask for 1911 Catalogue.



## WARRANTY.

We warrant our goods to be substantially made and to do good work when properly fitted up and operated. Any part proving defective will be made good free of charge. No goods will be taken back until we have had due opportunity to remedy defects. No claims for time, labor or blacksmithing, etc., will be allowed.

## THE TONAWANDA.



### STANDARD SILO

is the best and  
lowest priced.

Modern  
construction.

Ask for Catalogue.

## The "GLOR"

NEW

MODERN

STANCHION

Iron or Wood.

Chain or

Swivel Hung.



Light, durable, easy on the cow, yet holding her securely. Furnished with or without either wood or steel frame. Price, \$1.50.

Water Basins, \$1.00 to \$1.50.

## THE NEW MODERN ENSILAGE AND MANURE CARRIERS.

Litter Carrier, Double Trolleys and Chain, \$30.00. Track, Including 10 inch hangers every 28 inches, per foot 18c. Switch Adjusters, complete, \$5.00. Curves, Including 10-in. hangers every 14 inches, per foot 24c. Latches, each, 75c. Automatic Latch Shoes, 75c. 2 Way Switch, \$2.00. Any parts breaking within a year as the result of defective material, will be replaced free of charge.

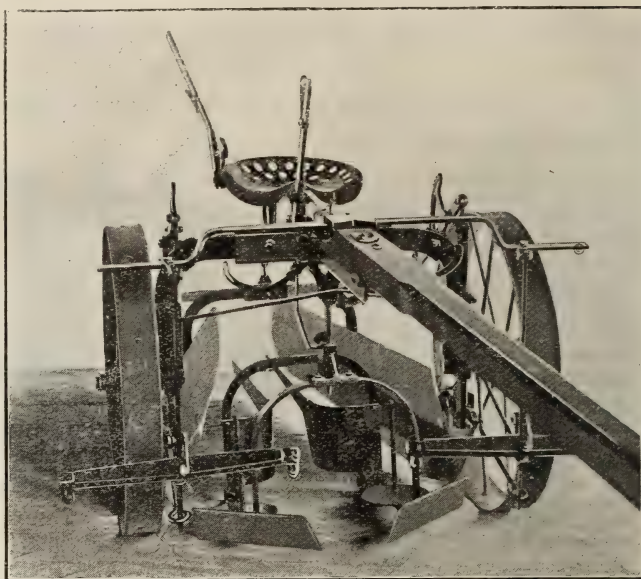


# Bonney's Celery Banker.

Do away with the old expensive method of boarding celery, and use our new Banker which has an attachment that is raised and lowered by a lever, on which is carried two rolls of nine inch paper, which unroll along either side of the row, and are held firmly in place against the plants by steel guards until the earth is banked against the paper by large wings.

Built on mechanical principles, along practical lines. No strain nor wear. Front end and rear of the wings manipulated independently of each other. Hitch or draft is low down, directly in line with point of resistance. Machine is provided with a unique steering gear.

Price, \$80.00; \$5.00 extra for knife.

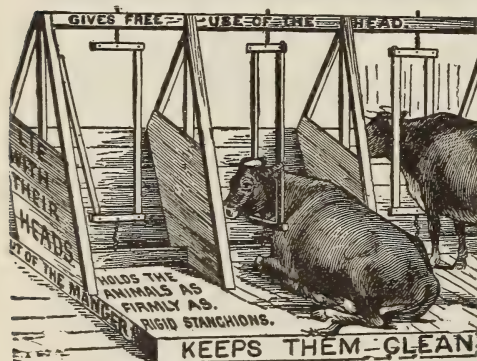


## OUR RED WAVE WHEAT.

This wheat is sure of producing large yields on almost any kind of soil. It is a bold red chaff—early red winter wheat that is far superior to any of the standard varieties of its class. No one can make a mistake in sowing it, as it will out-yield older kinds by eight or ten bushels per acre.

The heads are very large, often measuring fully six inches in length, and well filled, hard, red wheat. The heads lean slightly, which explains why it doesn't sprout as quickly as some other kinds during rainy weather. At the harvest time the chaff is thick and covers the grain, so it is well protected and prevents its shelling easily. The straw is medium tall, stiff and strong. The plant is hardy and deep rooted. We have never known it to be injured by the fly. We can provide you with seed in any quantity, and it will be pure, true to its name, thoroughly cleaned and free from rye, chess or cockle. Price \$2.00 per bushel.

## WARRINER CHAIN HANGING STANCHION



SIZES—Young Stock, 5 1-2 inch. Cows, 6 1-2, 7, 7 1-2 in. Bulls, 10, 11, 12 inch.

Mr. H. A. Moyer of Syracuse has 42 Warriener Stanchions in use giving entire satisfaction.

## ENSILAGE FORKS.

The ensilage fork we offer is the best and most popular fork ever put on the market, and finds a long felt want for a light, strong fork to handle ensilage, fine manure, etc. Price, \$1.40.

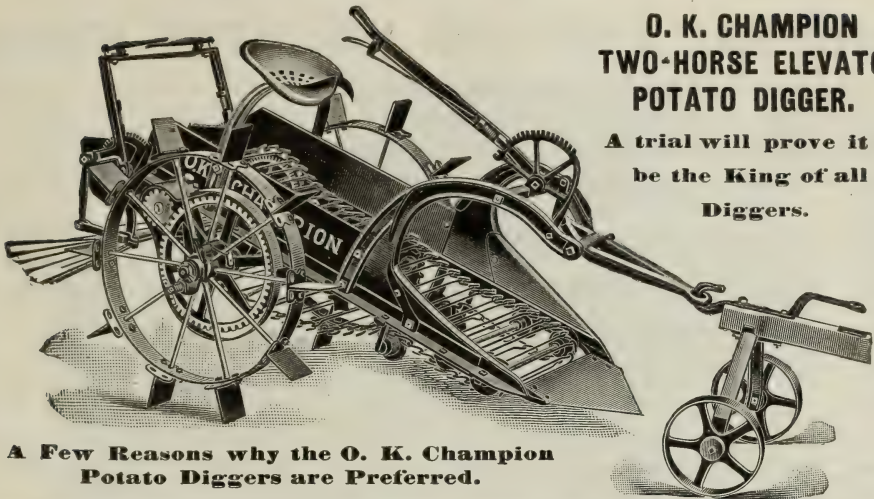
## WINE PRESSES, CIDER MILLS.

We offer a complete line of Mills and Presses at very reasonable prices

## NEW MODERN WATERING BASIN.



A dairyman who has running water will find it profitable, as our watering device will furnish a cow fresh water at any time, increasing the flow of milk from five to ten per cent., which is acknowledged by all dairymen who have a watering device.



## O. K. CHAMPION TWO-HORSE ELEVATOR POTATO DIGGER.

A trial will prove it to  
be the King of all  
Diggers.

### A Few Reasons why the O. K. Champion Potato Diggers are Preferred.

- BECAUSE** They are strictly a Two-Horse Elevator Digger, two ordinary horses will do the work with ease.
- BECAUSE** It has an extra wide opening at the front, accomplished by using special constructed front throat side plates with inward extending lugs, to which the shovel blade is connected. The front throat side plates taper downward toward their front end, and are also flared outward at their upper edges, which edges are rolled backward to give a smooth, round surface; these flare outward at about midway between the throat and return to the vertical plane of the side plates. This will enable the ground to spread when entering the machine, thereby losing itself quickly through the apron. This construction will also allow the weeds or vines to slide up through the machine without catching on the side.
- BECAUSE** The apron is of a special design, made of special High Carbon Spring Steel, having alternate high and low links, which gives them the power to break the ground more quickly than the straight pattern.
- BECAUSE** It is absolutely the simplest in construction, having less parts than any other Elevator Digger.
- BECAUSE** The machine is guaranteed to do what is claimed for it.
- LAST BUT NOT LEAST** It is sold for a price at which any farmer can afford to own his own machine.

All broken parts free during the first season.

**Price \$65.00**

### A FEW PURCHASERS OF CHAMPION POTATO DIGGER.

Patrick Dwyre, Jamesville; C. N. Robinson, Marcellus; Thomas W. Hill, Elbridge; T. A. Shrader, Central Square; M. F. Ogilvie, Weedsport; H. D. Dennison, R. D., James street, East Syracuse; I. M. Slingerland, Fayetteville; Jesse Clift, Station A, Split Rock; H. M. Gorham, R. D., Elbridge; Fayetteville Gypsum Co., Fayetteville; Wm. H. May, Sta. A, Syracuse; Chas. Lewis, Elbridge; M. Smith, Camillus; H. S. Hurlburt, Kirkville; Thomas Murphy, R. D., Elbridge; Samuel Wilton, R. D., Elbridge; George Dye, R. D., Elbridge; D. B. Thomas, Skaneateles; Squire Kingston, R. D., Marcellus; E. Scott, R. D., Marcellus; J. Oot, R. D., Kirkville; L. T. Peck, R. D., Jamesville; Asel Melvin, R. D. No. 1, Syracuse; J. P. Peck, R. D., Kirkville; James Keough, R. D., Jamesville; B. W. Morey, R. D. No. 1, Syracuse; George Groneau, R. D. No. 1, Syracuse; J. T. Close, Randallville; S. A. Spalding, Memphis; A. L. Sherwood, DeWitt; Bailer Bros., Otisco; Kimber Bros., R. D., East Syracuse; Albert Lade, R. D., Kirkville; Fred Kruse, R. D., Kirkville; R. B. McQueen, R. L., Liverpool; Frank Griffin, R. D. No. 1, Syracuse; G. F. Walters, R. D., Kirkville; Ed Adams, R. D., Kirkville; George Bragdon, R. D., East Syracuse; A. Cowan, R. D., Kirkville; E. R. Dart, Hubbardsville; H. Devaul, R. D., Kirkville; C. E. Fisher, R. D. Cazenovia; Fred Adams, R. D. 3, Williamstown; Charles Skiff, R. D. 1, Syracuse; Loren Tatt, R. D. 1, East Syracuse; W. P. Taber, Kirkville; I. J. Walrod, R. D., Erieville; Edward Clark, R. D., Liverpool; George Moth, R. D., Kirkville; W. J. Norcross, R. D. 1, Syracuse; J. W. Fairbanks, DeRuyter; Dan. Donovan, Canton; John E. Allen, R. D. 1, Syracuse; E. I. Foster, Memphis; J. M. Hill, Skaneateles Jet.; E. K. Hill, Elbridge; G. C. Nichols, Cazenovia; H. A. Norton, R. D. 2, Syracuse; Casper Schneider, R. D. 2, Syracuse; John Young, Sta. A., R. D., Syracuse; M. S. Brown, R. D., Jamesville; L. J. Elder, Lysander; E. J. Betts, R. D. Earlville; James Millard, Tully; O. D. Smith, R. D. Fayetteville; E. O. Woods, R. D., Marcellus; Dan. Guyder, R. D., Weedsport; George Miller, R. D. 1, Syracuse; J. H. Bennan, R. D. 2, Clinton; E. C. Corwin, R. D. 1, Ludlowville; F. F. Gillette, Newfield; W. Cernel, R. D. 5, Lisbon; Mrs. Henry Walter, R. D. 2, Manlius; Frank J. Moth, R. D. 1, Kirkville; Gilbert Harnes, R. D. 1, Kirkville; W. V. Young, R. D., Clay; J. W. McIntyre, Sterling Sta., and thousands of others.

In addition I sold 80 O. K. Champion Potato Diggers at retail during Fall of 1910. Beat that if you can.

### HALLOCK'S KING OF THE POTATO FIELD POTATO DIGGER.

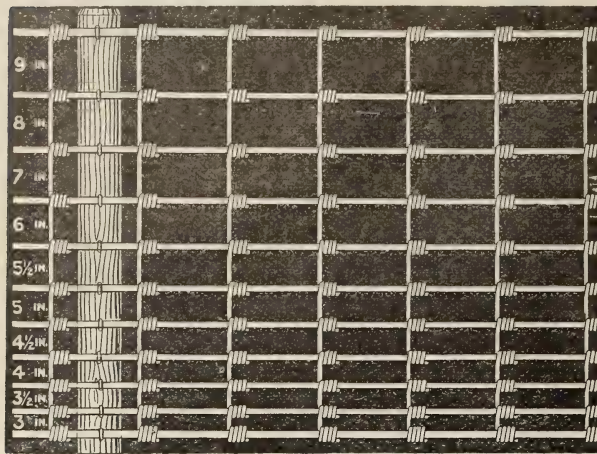
**Price, \$15.00.**

**Agents Wanted.**

Nearly 500 Hallock's Diggers sold by us in this vicinity, which shows its value and popularity.



# "AMERICAN" SHEEP, HOG AND CATTLE FENCING



Price never so low. You can now fence at a small cost. Have 3 cars in stock of the leading sizes.

The fence that fences and stays fenced. You can rest easy and need fear no danger from stock getting out.

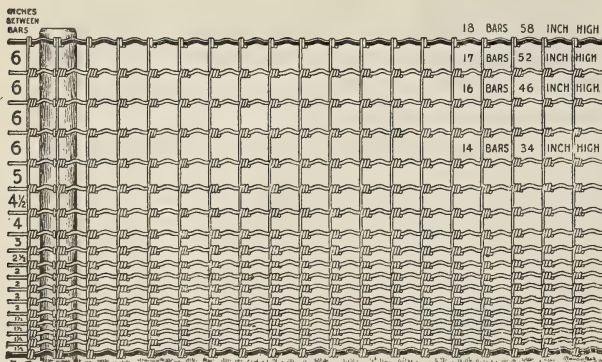
Everything for Sheep, Hogs and Cattle, made in two weights, medium and heavy.

Prices reasonable.

Ask for Booklet.

The Lott Fence Stretcher should be owned by every farmer. The only tool for putting up the American Field and Hog Fencing.

Price, \$5.00.



## POULTRY, RABBIT, HOG AND CATTLE FENCE.

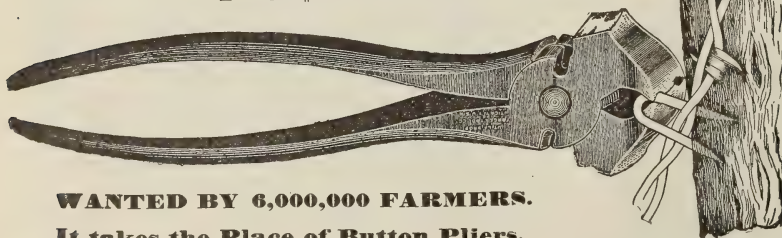
A strong, practical, Hog, Cattle Poultry and Rabbit fence. Also, an excellent garden fence. It is used extensively as a hog fence. The light specifications make a fence strong enough to turn stock. It is more durable than netting.

This Fencing comes in 8 to 15 bars, either in 6 or 12 inch stays, 20 to 58 inches high.

Price, 25cts. to 45cts. per rod.

## 7-SEVEN TOOLS IN ONE--7

Price \$1.00



WANTED BY 6,000,000 FARMERS.

It takes the Place of Button Pliers.

It drives, pulls, makes and saves staples; cuts, splices and straightens wire; is a wrench, a pincer; wire tightener; removes wire trellises; is nail puller, a hammer. Saves bending and cutting wire. Saves time and wages. Saves cutting hands. Saves going to town. Saves losing temper. Saves chasing cows.

The Big Success.

BUY ONE.



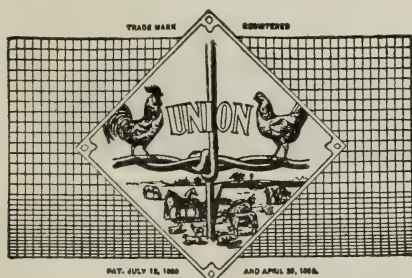
**M. M. S. POULTRY FENCE.**

**It Has Points of Merit Worthy of Attention. No Top or Bottom Board Required. Only One-Half as Many Posts Required as for Netting. Adjusts Itself to Uneven Ground. Will Not Sag or Buckle.**

The salient features of merit in this fencing are found in its multitude of horizontal wires, the cabled selvage and cable every foot in the height of this fence.

**RETAIL PRICE. STANDARD MESH.****RETAIL PRICE. CLOSE MESH.**

No. 19 Wire.			First Foot 1 3-4 in. Mesh.			No. 19 Wire.			First Foot 1 3-8 in. Mesh		
Height, 10 Rods, Foot.			Height, 10 Rods, Foot.			Height, 10 Rods, Foot.			Height, 10 Rods, Foot.		
1 ft.	\$1 50	1 c	3 1-2 ft.	\$3 50	2 1-2 c	1 ft.	\$1 75	1 1-4 c	3 1-2 ft.	\$3 75	2 3-4 c
1 1-2 ft.	2 00	1 1-4 "	4 ft.	3 75	2 1-2 "	1 1-2 ft.	2 25	1 1-2 "	4 ft.	4 00	3 "
2 ft.	2 25	1 3-4 "	5 ft.	4 50	3 "	2 ft.	2 65	2 "	5 ft.	4 75	3 1-2 c
2 1-2 ft.	2 75	2 "	6 ft.	5 00	3 1-2 "	2 1-2 ft.	3 00	2 1-4 "	6 ft.	5 50	4 c
3 ft.	3 10	2 1-4 "	7 ft.	5 75	4 "	3 ft.	3 50	2 3-4 "	7 ft.	6 00	4 1-2 c

**UNION LOCK POULTRY FENCING**

**A Fence---Not a Netting.**

Price per roll of 10 rods.

12 inches wide	\$1 50
18 "	2 25
24 "	3 00
36 "	3 50
48 "	4 25
60 "	5 00
72 "	5 50

Write for discount.

**REX FLINTKOTE ROOFING.**

A permanent roofing for factories, business blocks, public buildings, ice houses, farm buildings, poultry buildings, dwellings, sheds, etc.

Made from best non-conducting wool felt, thoroughly and evenly saturated with compounds containing no tar or asphaltum, which renders the roofing WATER, ACID, ALKALI, STEAM and GAS FUME PROOF. Unaffected by heat or cold, FIRE RESISTING, and therefore endorsed by many boards of fire underwriters.

Rex Flintkote may be laid by any man following plain directions—everything required (except a hammer) is in each roll. The labor is simple and quick.

Cheaper, more durable than best shingles or metal roofing.

Descriptive booklet, samples and prices given on application.

**PRICE LIST.**

1-2 Ply per square (100 square feet)	\$1.75
1 " " " (100 " " "	2.25
2 " " " (100 " " "	3.25
3 " " " (100 " " "	4.00

**RED ROPE ROOFING.**

250 square feet to the roll, \$2.50 per roll.

**TARRED ROOFING.**

2-ply, 108 square feet to the roll, 90c per roll.

3-ply, 108 square feet to the roll, \$1.00 per roll.





## MERIDIAN HAY RACK.

We combine in our Hay Racks, simplicity, lightness, strength and durability, too well known to require any recommendation. Manufactured of selected lumber and well bolted.

Price, 16-foot racks, \$13.00. 14-foot racks, \$12.00.



## OUR IMPROVED SLIP.



The above cut represents our Improved Slip, which any farmer can make by using our castings, which are shown in the front part of the cut. These castings are all finished and ready for the 8x6 inch maple runners. Since it is impossible to get Slip Runners sawed with the right sweep, any farmer will appreciate the benefit of our castings at a glance.

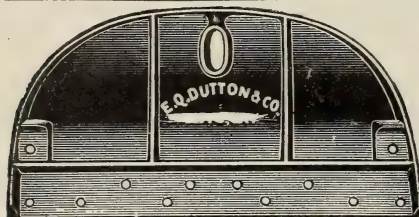
All complete like above cut, \$8.50.

Set of Shoes for above, \$2.75.

## IRON HOG TROUGHS.



No more trouble building Hog Troughs. One of these will last a lifetime. Made in four sizes 3, 4, 5, and 6 feet, 8 inches deep, 12 inches wide. Price 50 cents per foot.



## IRON STONE BOAT HEAD.

A Simple, Complete and Inexpensive device whereby a Stone Boat can be made in a few minutes by using straight plank. One head will last for years.

**Price \$3.00 Each**

## GARDEN BARROWS.

\$3.00 to \$5.00.

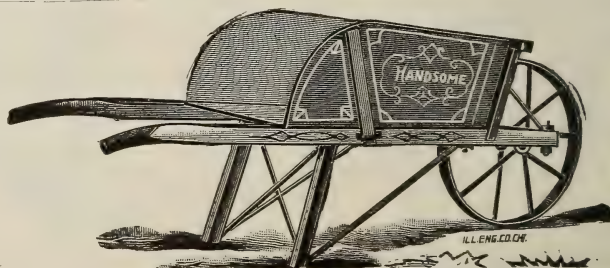
## DIRT BARROWS.

\$2.00. \$2.25.

## STABLE BARROWS.

### STEEL TRAY,

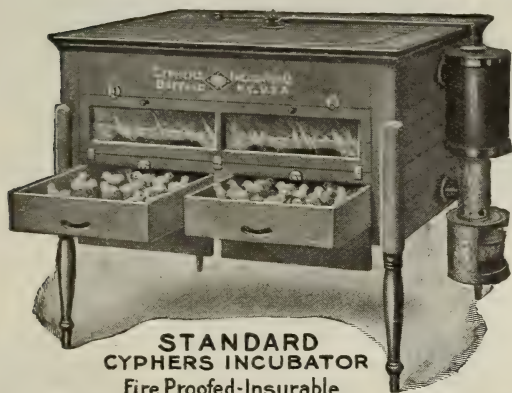
\$3.50 and up.



"WE SELL HARDWARE, GLASS, PUTTY, NAILS, CUTLERY, ETC."

# GENUINE STANDARD CYPHERS INCUBATORS PATENTED

(Look for Trade Mark—Demand the Label.)



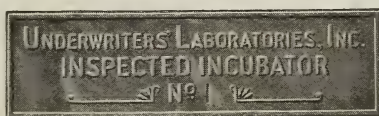
**Practical poultry raisers who mean business and desire the greatest possible success should look for and DEMAND the qualities that have made Cyphers Incubators WORLD FAMOUS.**

**Fire-Proofed  
Insurable  
Self-Ventilating  
Self-Regulating  
Non-Moisture  
Efficient, Durable and  
Positively Guaranteed.**

**FOR 1911** We offer our customers the Cyphers Company's complete line of incubators and brooders—the best on the market. For years the Cyphers Incubator has been consistently improved, always maintaining its leadership, until to-day it represents all that is most efficient, convenient and reliable in incubator construction.

**To own a Cyphers** is to have an incubator that stands first, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters and bears a world-wide reputation, but because of the well established fact that it is the best hatcher of large, vigorous, livable chicks. It is positively guaranteed to outlast any other make of incubator under widely varying conditions, season after season, and to last ten years without repairs.

Form of Brass Label to be found (in serial numbers) on every Standard Cyphers Incubator. All sizes.



**DEMAND THIS  
LABEL.  
YOUR SAFETY.**

**The Principles of Construction** that have made Cyphers Incubators "the world's standard hatchers" for the last twelve to fifteen years remain unchanged in the 1911 pattern. Their patented features, their entire freedom from the bothers, disappointments and losses common to the "cheap" or "bargain" incubator, make these high-class machines the best for you to own first, last and all the time. They are used with unequalled success in all parts of the civilized world, under every practical condition by men and women in all walks of life. They are money savers and money makers for poultry raisers who "mean business"—for men and women who want a real incubator with which to get out of poultry keeping all the profit and all the pleasure there is in it.

**Cyphers Incubators** have now been on the market fifteen years, and to day are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms and by a large number of foremost poultry breeders than all other makes combined. For proof of these statements send to us for a copy of Cyphers Incubator Company's latest complete catalogue—1911 edition—now ready for mailing, free on request. Book contains 212 pages, 7 1-2x10 inches.

**Every Standard Cyphers Incubator is Guaranteed** by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial, and we hereby place our guarantee back of theirs. In buying a Cyphers you take no chances. Persons who earnestly desire to succeed in the poultry business should have the right tools with which to work. Write us to day for free illustrated catalogue telling all about these superior hatching machines.

## SIZES AND PRICES OF CYPHERS INCUBATORS.

Free on Board Cars.

No. 0 Holds 70 Hen Eggs,	\$15 00	No. 2 Holds 244 Hen Eggs,	\$32 00
No. 1 Holds 144 Hen Eggs,	22 00	No. 3 Holds 390 Hen Eggs,	38 00

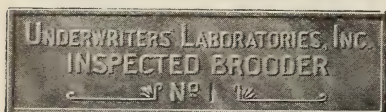
**NOTICE.**—The above prices are factory prices. In buying of us you save on freight and also save valuable time. Goods are carried in stock by us the year around. Remember that time is money.



# STANDARD CYPHERS COMBINATION BROODERS AND COLONY ROOSTING COOPS.

**FOR 1911** Cyphers Unequaled Apartment Brooders and combination roosting coops have the same important advantages over all other makes that are possessed by Cyphers Company's 1911 incubators, in that they are fire-proofed and insurable, having the first fire insurance inspection label ever granted on a brooder.

**Cyphers 1911 Brooders**, every size and style, are self-regulating, self-ventilating and vermin proof. The outdoor styles are useable also as colony coops for the growing chicks. They are easily and quickly converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.



## DEMAND THIS LABEL YOUR SAFETY

Form of Brass Label to be found (in serial number) on every Cyphers Brooder. All sizes.

## THEY MOTHER THE CHICKS BETTER THAN A HEN.

**An Important Reason** for this is found in the great practical advantage possessed by the entire line of Cyphers Brooders for 1911 in their self-regulating feature. For years the self-regulator was attached only to the highest priced Cyphers Brooder (Style C), but it was so well received that now it is attached to all Cyphers Company brooders. It automatically regulates the heat in the brooder underneath the hover at all times, whereas in brooders without a regulator the heat has to be governed by a continuous watching of the lamp and turning the wick up or down whenever more or less heat is required.

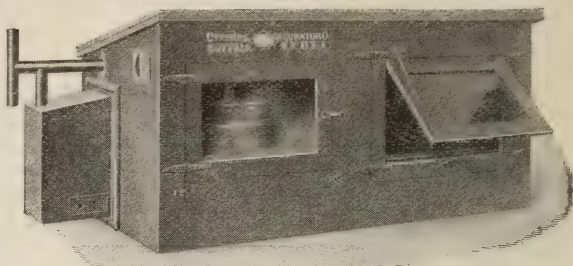
**In addition** to this unequaled line of brooders, we offer separately the Cyphers Company's world's challenge Adaptable Hover. This machinery-made, all metal, guaranteed fire proof heating and brooding device is suitable to be used anywhere that heat is required for brooding chicks or ducklings. It can be used in a roosting coop, colony house, shed, hen house, barn or other building with or without any additional enclosure for the chicks, or in a large goods case or organ or piano box.

Is pronounced by thousands of users to be the best device thus far invented for heating home-made brooders. Recommended especially for use in long brooding houses, one hover for each pen. Adaptable hover is complete in itself, bears insurance label as a separate device, and is safe to use anywhere. Weight, boxed for shipment, only 40 pounds.

## Sizes and Prices of Cyphers Adaptable Hover and Brooders.

Adaptable Hover, capacity 75 chicks, . . . . .	\$ 8.50
Style A, Two Apartment Outdoor brooder, capacity 75 chicks, . . . . .	12.30
Style B, Three Apartment Outdoor Brooder, capacity 100 chicks, . . . . .	16.50
Style C, Three Apartment Outdoor Brooder, capacity 100 chicks, . . . . .	18.50
Style D, Three Apartment Indoor Brooder, capacity 75 chicks, . . . . .	11.50

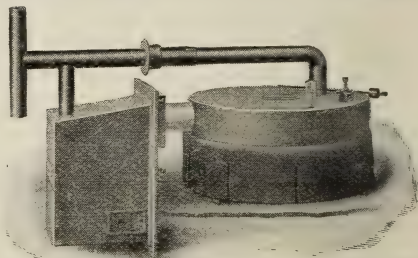
FIRE-PROOFED, INSURABLE, SELF-REGULATING.



## STYLE B OUTDOOR BROODER.

(Three apartments. Safest and most popular "Foster Mother" ever designed.)

**This double use** of the Cyphers Brooder means a considerable saving of money. It makes a safe and comfortable enclosure for the young chicks at night and saves the buying of a coop for them. These outdoor brooders, on account of their fire-proof construction, can be used indoors, although we supply a special brooder, Style D, for indoor purposes. All Cyphers 1911 Brooders, both outdoor and indoor, contain either two or three apartments. The popular Style B (shown in illustration herewith), contains three apartments—first, roomy space under the hover; second, hover chamber; third, well-lighted exercising apartment.



## ALL METAL ADAPTABLE HOVER.

(Self-Regulating and Bears Insurance Label as Separate Device.)

# CYCLE HATCHERS, BROODER--HATCHERS AND



**PHILO SYSTEM  
GALVANIZED IRON  
FIRELESS BROODERS**



## Prices of Brooder Hatchers.

1 Brooder Hatcher, with thermometer,	\$ 8 00
2 Brooder Hatchers, " "	15 75
4 Brooder Hatchers, " "	29 25

## Prices of Cycle Hatchers.

1 Cycle Hatcher, with thermometer,	\$ 6 50
2 Cycle Hatchers, " "	12 25
4 Cycle Hatchers, " "	23 25

## Prices of Galvanized Iron Philo Lampless Brooders.

1 Galvanized Iron Brooder, large size,	\$ 2 75
2 " " " " " "	5 15
4 " " " " " "	10 00
1 " " " " " " medium size,	2 25
2 " " " " " "	4 15
4 " " " " " "	8 00
1 " " " " " " small size,	1 75
2 " " " " " "	3 15
4 " " " " " "	6 00
1 Set three Galvanized Iron Brooders, one of each size, . . . . .	5 50



Don't lose any more chicks

You know the troubles you have had in the past with heated brooders. Try just once the plan of giving the chicks plenty of fresh air and even temperature and natural heat at all times.

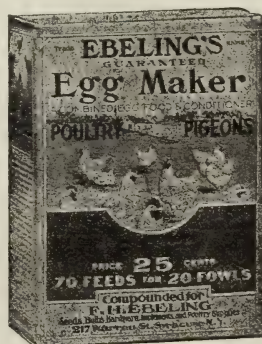
*The Lullaby Brooder*

will bring them to the roost strong, healthy and vigorous, whether you want to raise 25 or 10,000 chicks. Your money back if you don't find it the best ever. Get one today upon these terms. Come in and look at it anyway.

**Price \$1.50.**

## EBELING'S GUARANTEED EGG MAKER.

We offer Ebeling's Guaranteed Egg Maker as a genuinely good and satisfactory Egg Food. We call it guaranteed because it is guaranteed when used in accordance with directions accompanying each package.



## POULTRY FOODS.

THESE PRICES SUBJECT TO CHANGE.



<b>EBELING'S POULTRY CHARCOAL,</b>	Per bag \$1.25
<b>CHICK FOOD,</b>	50 lb. bag, \$1.40; 100 lb. \$2.50
<b>DEVELOPING FOOD,</b>	" 1.25; " 2.25
<b>FORCING FOOD,</b>	" " " "
<b>SCRATCHING FOOD,</b>	" " " "
<b>LAYING FOOD,</b>	" " " "
<b>SHORT-CUT ALFALFA,</b>	" " " "
<b>MEALD ALFALFA.</b>	" " " "
<b>SHREDDED ALFALFA,</b>	" 2.00



## WHAT HEN-E-TA BONE GRITS WILL SAVE.

You have probably often wished that you had a Bone Grit that would take the place of all other bone, all other grit, all oyster shells, all bone cutters, all meat scraps and all charcoal. Then you have simply wished for our HEN-E-TA BONE GRITS. They save one-third of all grain rations—they save bills for poultry remedies and not only increase fertility in eggs, but produce larger and harder shelled eggs. They create stamina and vigor in your fowls, and insure the life of your chick if fed from the second day.

Isn't this "something to crow about."

Hen-e-ta Bone Grits contain about 30 per cent. pure bone ash, made digestible by baking in an oven at a temperature of 3,000 degrees Fahrenheit. This not only perfectly refines the bone ash,

freeing it from germs and making it absolutely pure, but it also puts the bone ash in a condition of grittiness that is unequalled in sharpness and grinding qualities by any other preparation.

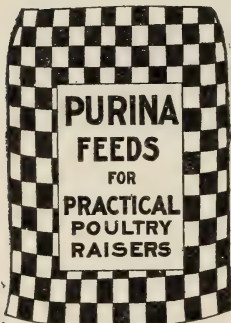
Hen-e-ta is porous and an absorbent. If you use it properly you have our positive guarantee that you will not need any other bone or grit of any kind, nor oyster shells. You probably know that the latter is absolutely harmful. Hundreds of thousands of young fowls have been killed by the free lime in the oyster shells.

Hen-e-ta is phospho-silicate of lime plus phospho-silicate of soda, intimately combined at great heat. The gastric juices can penetrate it, as it is especially coarse. Give us a trial order and you will be agreeably surprised at the results. 100 lb. bag, \$2.25; 50 lb. bag, \$1.50.

Here you can get the most reliable of everything in poultry supplies. We buy in carload lots, and can supply in quantities at the right prices.



## TO GET THE GREATEST EGG PRODUCTION AND KEEP THE FOWLS HEALTHY.



The secret of knowing how to feed hens so as to make them lay the greatest number of eggs and still keep them healthy, is now possible for any poultry raiser. Experience is unnecessary, by what is known as intensive poultry raising the number of eggs can, in many cases, be doubled, and the laying period be materially lengthened. It's no longer necessary for you to experiment with feeds. That has been done for you. Tests have proved that the very best all-around feeds that you can use are the

### PURINA FEEDS--FOOD AND TONIC COMBINED.

They are composed of the very best of everything that should go into poultry feed. Besides the food elements they contain a wide range of wild seed, which keeps the fowls in perfect health. The value of the medicinal qualities cannot be over estimated.

**MAKE THIS TEST.**—Take a handful of Purina Poultry Feed and examine it under a powerful microscope. Notice how the quality shows up—not one particle of grit, dust, fire-burnt wheat or waste matter of any kind. That's why these feeds are the most economical for you to use. You don't pay grain prices for grit and waste matter. Your hens digestive organs are not burdened with useless fibre. Every mouthful is pure, vigor-giving nourishment. There's nothing too good for Biddy. Treat her right and she will work for you. Don't be fooled by prices. Try our Purina Poultry Feeds, and you will find that they are the most economical. We buy in carload lots, and guarantee quality and prices.

Chick Food, 8 1-3 lb. bag, . . . . .	\$ .25	Scratch Food, 8 1-3 lb. bag, . . . . .	\$ .25
" " per 100, . . . . .	2.75	" " per 100, . . . . .	2.25



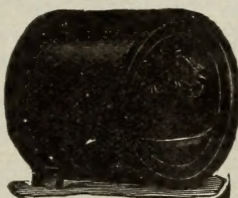
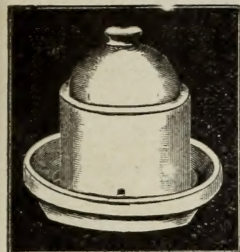
For Prices of Goods on this page, see following two pages.

B. M. M. Poultry Fountains.

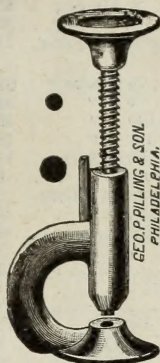
W. R. Poultry Fountains.

PHILADELPHIA  
POULTRY MARKER.

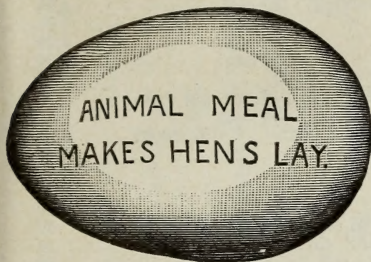
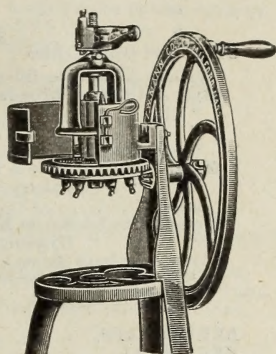
MANN'S CELEBRATED  
GREEN BONE CUTTER.



Eureka  
Non-Freezing.



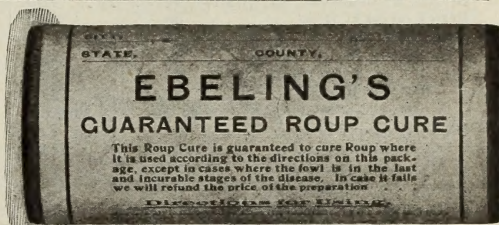
GEO. P. MILLING & SON  
PHILADELPHIA.



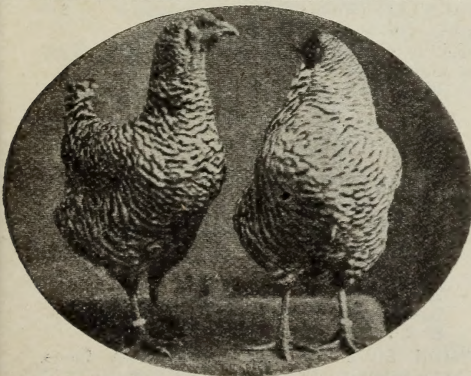
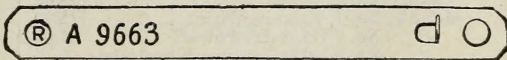
GRANITE CRYSTAL GRIT MAGNIFIED.  
Crystal Formation.



BEFORE.  
Being Acted Upon by the Gizzard.



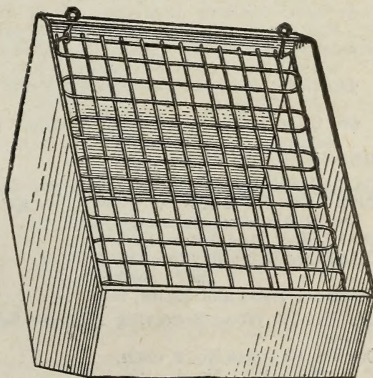
ADJUSTABLE ALUMINUM LEG BANDS.



POULTRY SUPPLIES.

We call special attention to the last pages of this Catalogue which contain a complete list of Poultry Supplies. All goods guaranteed.

"THE BOSTON"  
POULTRY DRY FEED HOPPER  
Holds 1-2 Bushel.  
Price, \$1.25 and \$2.50.









FLY PEST, Cyphers Anti, 1-2 gal., each, .	.50
" " " " 1 " " " "	.75
" " " " 5 " " " "	3.50
GRIT, Crystal Granite, in three sizes, X, XX, XXX	
Per lb., 2c.; per 100, .75	
GRIT, Foust Health, per lb., 3c.; " 100, .20	
GUN, Jumbo Powder, each, .	.25
GRAINS, Corn Cracked, per bushel, .	1.00
" Canada Peas, " " " "	2.10
" Wheat, Red, " " " "	1.75
" Buckwheat, " " " "	1.25
" Millet, " " " "	1.75
HOUSE, Sued Roof, each, .	20.00
" Suburban Portable, each, .	25.00
" Hare-Curtis Poultry, each, .	20.00
" Apex Poultry (no Runway), each	10.00
" (with Runway), ea.	15.00
" Cypher's Colony, each, .	8.00
HOPPERS, Dry Food, each, .	.75
KNIVES, Poultry Killing, each, .	.50
LICE REMEDIES (see Powders.)	
MACHINE, Simplex Cramming, each, .	10.00
MARKERS, Philadelphia Poultry, each, .	.25
MILL, Green Bone (see Bone Cutters.)	
" Dry Bone and Shell (without stand)	
each, .	5.00
MILL, Dry Bone and Shell (with Stand),	
each, .	7.00
MILL, Tennessee Grinding, each, .	2.00
" (Extra Grinders for same), each, .	.25
" Oriole Farm and Grist, No. 2 1-2,	
each, .	25.00
MILL, Balance Wheel Grist, each, .	2.25
MEDICAL AND SURGICAL CASE, Cy-	
pher's Poultry, each, .	3.00
MEDICAL CASE, Separate, each, .	2.00
SURGICAL " " " " " "	1.50
MOISTURE DEVICE, Automatic, each, .	1.50
NEST WIRE, each, .	.15
NAPCREOL, 1 quart, each, .	.50
" 2 " " " " "	.85
" 4 " " " " "	1.50
NESTS, Earthen Pigeon, each, 15c.; doz.,	1.75
PACKAGE, Imperial Egg, 15-egg, doz.,	2.25
" 30 " " " " "	2.75
" 45 " " " " "	3.75
PAINT, White Water (Painting inside of	
Poultry Houses, per lb., 8c.; per 100,	5.00
PAINT (Liquid), 1 quart, .	.35
" 2 " " " " "	.60
" 1 gallon, .	1.00
PERCH SUPPORT, Lice-Proof, per pair, .	.25
" " Pigeon, each, .	.10
PHILADELPHIA POULTRY MARKER, .	.25
POULTRY BOOKS (see Books.)	
POULTRY HOUSES AND FIXTURES	
Plans for Practical Building and Equip-	
ment (36 pages), (H), .	.35
200 Eggs a Year per Hen, and How to	
Get Them, .	.50
Pigeons, all About Them. (Maj. Gilbert),	1.00
Poultry Craft, .	1.50
Broilers and Roasters, .	.50
Farm and Poultry Doctor, .	.50
A Living from Poultry, .	.25
Cyphers Series, Nos. 1 to 6, .	.50
" " No. 7, .	1.00
" " No. 8, .	.25
POWDER, Lambert's Lice, 5 oz., .	.10
" " " 15 " " " "	.25
" " " 48 " " " "	.50
" " " 100 " " " "	1.00
REGULATORS, Electric, each, .	22.00
REMEDIES	
Cyphers Poultry (Case complete), each, .	2.00
(Single Vials), each, .	.25
ROUP CURE, Ebeling's Guaranteed, .	.50
" " Conkey's, .	25c. 50c. and 1.00
" " Rust's, .	25c. and .50

ROOT CUTTERS (see Cutters.)	
ROOFING, Flintkote, 1-2 ply, per square, .	1.75
" " 1 " " " " "	2.25
" " 2 " " " " "	3.25
" " 3 " " " " "	4.00
Each roll contains one or two squares.	
ROOFING, Cypher's Red Rope.	
100 square feet, per roll, .	.90
500 " " " " " "	4.00
ROOFING, Tar, 2-ply, 100 square feet, .	.85
" " 3 " 100 " " " "	1.00
" CAPS, Tin, per lb., .	.07
" NAILS, per lb., .	.05
SHELTERS, Chick, 6 feet, per lb., .	4.50
" " 12 " " " " "	7.00
SHELLS, Oyster, per 100, .	.60
Special price for larger lots.	
SULPHUR FUMIGATING CANDLES (see Can-	
dies.)	
SPRAY PUMPS, for Spraying Whitewash,	
each, .	\$3.00 and 5.00
SPRAYERS, Compressed Air, Galv. Iron,	
each, .	5.00
SPRAYERS, .	50c. to 1.00
STAPLES, Fence, per lb., .	.05
" Poultry Fence, per lb., .	.10
SHEETING, Waterproof, 25 yard lots, 4	
inches wide, per yard, .	.20
SALT CAT, per brick, .	.10
" per dozen, .	1.75
Add 20c. extra for postage.	
THERMOMETER, Incubator, each, .	.60
" Brooder, unmounted,	
each, .	.45
THERMOMETER, Brooder, mounted, ea.	.55
TESTERS, Practical Egg, each, .	1.25
" X-Ray Egg, each, .	.25
" Pedigree Egg, No. 0, each, .	1.25
" " No. 1, .	1.50
TRAYS, Pedigree Egg, No. 2, per pair, .	4.00
" " No. 3, " " " "	4.75
TOBACCO STEMS, 10 lb., .	.25
" 50 " " " " "	1.00
" 100 " " " " "	2.00
TRAP NESTS, each, .	1.60
WIRE POULTRY NETTING (see Fencing.)	
POULTRY FOOD	
Pratt's, per pkg., .	25c. and .50
Lee's Egg Maker, per pkg., .	25c. and 2.00
" Prolife, per pkg., .	25c. and .90

## BIRD SEED AND SUPPLIES.

CANARY, . . . . .	10c. per lb., .	3 for	.25
HEMP, . . . . .	10c. " " " "	3 " "	.25
RAPE, . . . . .	10c. " " " "	3 " "	.25
MILLET, . . . . .	10c. " " " "	3 " "	.25
MAW, . . . . .	20c. " " " "	3 " "	.50
UNHULED RICE, .	10c. " " " "	3 " "	.25
SUNFLOWER SEED, 10c. " " " "		3 " "	.25
SHEPARD SONG RESTORER, per bottle, .			.25
MARSHALL'S " " " " " "			.25
MOCKING BIRD, per bottle, .			.30
BIRD GRAVEL, .	10c. pk., 3 for		.25
CUTTLE BONE, per oz., .			.05
PEPPER SEED, per oz., .			.10
LETTUCE SEED, per oz., .			.05

## PIGEON AND DOVE SUPPLIES.

CANADA PEAS, per bu., .	2.00
CHOICE WHEAT, per bu., .	1.75
YELLOW CORN, small kernels, per bu., .	1.25
KAFFIR CORN, per bu., .	1.25
MILLET, per bu., .	1.50
HEMP, per lb., .	.08
FOUST'S HEALTH GRIT, per lb., 3c.; per	
100, .	2.00
DOG BISCUIT, . . . . .	1 lb., 10c.; 3 lbs., 25c





42<sup>nd</sup> ANNUAL  
CATALOGUE

F. H. EBELING.  
SEEDSMAN



1868  
1911

SYRACUSE, N. Y.

RETAIL STORE 217 WARREN ST.  
WAREHOUSE 538-540 CANAL ST.

STECHER CO. ROCHESTER, N. Y.